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ENTERPRISE INTRODUCTION

Enter Vensin

Founded in Shanghai in 2007, Vensin Intelligent is a national high-tech enterprise with a complete R&D, supply chain, manufacturing, market and technical service system. The proportion of technicians is as high as more than 30%. Vensin Intelligent Suzhou Manufacturing Center covers an area of 5,000 square meters and has large-scale manufacturing and delivery capabilities. At present, it has established long-term cooperative relations with more than 1,000 domestic and foreign customers, including more than 150 leading enterprises in the industry. In recent years, Vensin Intelligent is committed to leading the flexible transformation of industrial edge computing and intelligent hardware.

Vensin Intelligence always adheres to technology and quality as the core, market demand-oriented, and constantly develops innovative products with core competitiveness. Vensin products include Genius series edge computing platform, ReiZ series machine vision computing platform, ReiS series modular tablet computer, etc. It can quickly combine more than 500 solutions to quickly meet the needs of intelligent computing equipment in various industries.



Office building



R&D department



Production workshop



Automation equipment



Laboratory



Delivery area

CERTIFICATE OF QUALITY

QUALITY CERTIFICATE

Vensin Intelligence always adheres to technology and quality as the core, guided by market demand, and continuously develops innovative products with core competitiveness. Certificates include ISO9001, CCC, UL, CE, FCC, SGS, CB international certification, etc.

CERTIFICATES OF QUALITY



ISO 9001:2015



CCC



UL 61010



EN IEC 61000-6-4
EN IEC 61000-6-2



EN 61010-1
EN IEC 61010-2



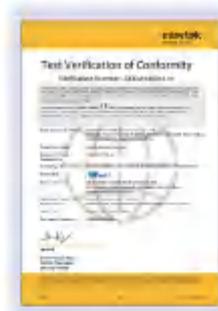
IEC 62368-1



FCC



EN IEC 61000-6
EN IEC 61000-3



EN IEC 61000-6
EN IEC 61000-3



CB

CERTIFICATES OF HONOR



Certificate Number: GR202332007703



Warehouse Entry Number: 202332050900016101

CERTIFICATE OF PATENT

PATENT CERTIFICATE

PATENT CERTIFICATES



A robot controller



A kind of automatic control method and controller for AGV



Multifunctional edge computing industrial personal computer



Integrated IC card industrial tablet computer



Industrial control computer equipment based on ATX motherboard



Compact edge computing IPC



Multi port edge computing industrial personal computer



CAN communication surge pulse protection device



Integrated IC card industrial tablet computer



Embedded high-performance industrial computer



Embedded modular industrial motherboard



Multi port edge computing industrial personal computer



Industrial tablet computer



Embedded industrial computer



Embedded industrial motherboard

Genius series

Small body, Big Wisdom



Product Features

Modularization of CPU computing platform

The Genius CPU adopts modular design and can be flexibly and freely equipped with Intel 13th Raptor Lake U / 12th Alder Lake P/N/11th Tiger Lake U / 10th Ice Lake / 8th Whiskey Lake U Core i7/i5/i3, 0th/7th Skylake U, Kaby Lake U Core i7/i5/i3, Celeron J1900, J6412, N97 etc.

Modular I/O interface, multi-network port, multi-serial port design, customized

The Genius series I/O interface adopts a configurable modular design. The operation control vision system can support up to 4-6 network ports for camera communication; EtherCAT bus motion control; communication with up to 10 RS-232/485 devices; DI/O digital input/output and CAN bus can be configured flexibly.

High precision die cast aluminum forming, copper aluminum integrated high-efficiency thermal conductivity

The Genius series is compact and sturdy in size. Through simulating the power consumption and heat dissipation of more than 20 types of CPUs, it has finally achieved integrated die-casting aluminum molding and integrated die-casting and heat pipe heat dissipation technology, solving industry pain points and providing you with stable and reliable high-performance computing in a compact space.

Convenient localization upgrade, wireless data networking

The Genius series features a removable hard drive, which provides users with the option to upgrade their hard drive capacity in the future, while also facilitating localized operation and maintenance, significantly reducing equipment maintenance time and costs.

With the advent of the Internet of Things era, the Genius series helps the industrial Internet of Things and smart factories to play the value of big data through local edge computing and quickly realizing 4G, 5G, WiFi, Bluetooth and other data wireless networking, interfaces and customization in compact spaces.

No cables, more reliable

A stable and reliable product cannot do without the control of details. The Genius I/O interface adopts wireless cable hard physical interface connection to minimize the impact of vibration, mobile use, transportation, and poor cable contact on device communication, minimizing the influence of external environmental factors and ensuring efficient production of equipment more reliably.

Single sided interface, modular installation method

The Genius series offers unique single-sided interfaces and multiple installation options. Compared to traditional double-sided I/O interface hosts, single-sided interfaces are easier to achieve compact space installation and on-site communication debugging is more convenient.

At the same time, Genius embedded and guide rail installation of the Genius series is your ideal choice for AMR/AGV carts, robot operation control systems, and machine vision applications, effectively solving the application of modular computing performance, modular I/O interfaces, and customization in compact spaces.

UPS backup battery ensures worry-free data

The Genius series can be equipped with UPS battery management, which prioritizes automatic data retention in case of illegal power outages. It can also be configured with a 3-10 minutes countdown automatic shutdown function, allowing important production data to be fully saved. The hard drive, application software, and operating system also minimize potential hazards caused by power outages, thereby improving equipment stability and real-time operation.

One click restore system function

The Genius series is equipped with a one click restore system function, which quickly restores device systems, programs, and process files, making it convenient for staff to localize operations and reduce maintenance costs.

ReiZ-X series

Ultra-fast computation, Born for vision and operation control



Product Features

Desktop level processor computing platform

The ReiZ-X adopts a combination of active and passive cooling technology, and can be freely equipped with Intel 13th/12th/9th/8th/7th/6th Core i7 i5 35W/65W intelligent processors. With a smart industrial computer, it can quickly build a one-stop computing solution for equipment automation, machine vision, motion control, and MES systems. Its powerful functions, high reliability in harsh environments, and cost and installation space savings make it an ideal choice for smart factory intelligence.

Excellent heat dissipation capability

The new blade type heat dissipation technology is designed specifically for high reliability and harsh environments, with large-area server aluminum fins combined with superconducting copper tubes for heat dissipation, and detachable air-cooled auxiliary heat dissipation.

Easier modular machine vision capabilities

Fully native independent network port design (7 or more), with outstanding data packet throughput and real-time communication computing capabilities for high-precision intelligent cameras. The powerful computing performance effectively avoids camera frame loss and data delay. It can be equipped with 4 light source control modules and 150W power multi PoE network port modules, providing flexible and professional solutions for efficient and uninterrupted production of machine replacement.

Modular I/O configured on demand

The ReiZ-X series I/O ports adopt modular design, providing professional customized solutions for machine vision, operation control, and artificial intelligence+fields, such as multi network ports, EtherCAT bus, multiple PCI-E&PCI expansion slots, independent GPU computing cards, 16 isolated IO, multiple serial ports, etc. There is always a solution that can efficiently build your application.

One click restore system function

X60 and X70 series are equipped with a one click restore system function, which quickly restores device systems, programs, and process files, making it convenient for staff to localize operations and reduce maintenance costs.

Miniaturization design

Compact design, especially suitable for high-performance computing in compact spaces.

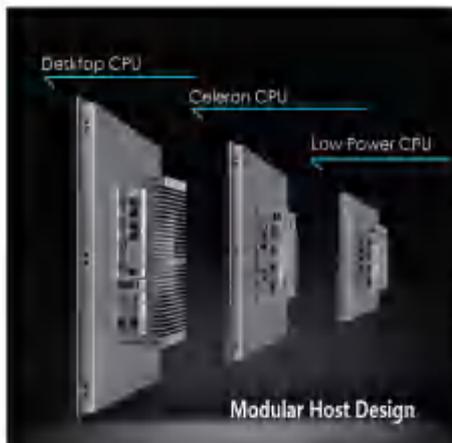
ReiS series

The human machine vision changes because of you

Product Features

There's always one for you

The ReiS series modular industrial tablet computers offer two major series of products: square screen and wide screen. They are designed with extremely narrow edges and aesthetic craftsmanship. Users can choose industrial grade full plane resistive or capacitive screens according to different application environments, ranging from 7" to 21.5".



Flexible and upgradable modular applications

The ReiS series industrial tablet computer is composed of two separate detachable components, a touch panel and a host. When the CPU computing power cannot meet the computational requirements of software iteration or the I/O interface does not meet the on-site application, the ReiS series can only upgrade the core CPU module or I/O expansion module to minimize your maintenance costs.

UPS backup battery ensures worry-free data

The ReiS series can be equipped with UPS battery management, which prioritizes automatic data retention in case of illegal power outages. It can also be configured with a 3-10 minute countdown automatic shutdown function, allowing important production data to be fully saved. The hard drive, application software, and operating system also minimize potential hazards caused by power outages, thereby improving equipment stability and real-time operation.



Modular host design, saving you time

Modular design is a concentrated embodiment of the ReiS series based on user thinking and industry applications. Users can quickly combine various panels and Genius series industrial computers into modular computers with multiple mainstream CPU platforms.

We can provide Intel Core 13th/12th/11th/8th/7th/6th i7&i5&i3 and Celeron low-power CPUs, as well as Intel Core 13th/12th/9th/8th/7th/6th i7&i5&i3 desktop computing platforms. The appearance and installation dimensions of the same panel are the same, which greatly facilitates customer product selection.

Humanized and customizable modular I/O interface

The I/O design concept of the ReiS series fully considers the limited and diverse applications in the industrial market, and can provide multiple network ports (2, 4, 7), multiple serial ports (3, 6, 10 RS-232/485), multiple USB ports (6, 8, 10), CAN bus, DIO, etc., making it convenient for engineers to design and select, and winning time for the rapid launch of new products.

Worry free localized maintenance and wireless applications

The ReiS series retains the features of the Genius series removable hard drives, providing users with the option to upgrade their hard drive capacity on their own in the future.

With the advent of the Internet of Things era, the ReiS series helps the industrial Internet of Things by quickly realizing 4G, WiFi, Bluetooth and other data wireless networking through local edge computing.

2700mAh UPS backup battery



Pathbreaker series

Intelligent IoT: All in Hand



Product Features

Handheld design Compact space embedding application

The Pathbreaker series has a palm sized volume and weighs only 0.7Kg. It is equipped with an Intel Core i7/i5 intelligent processor and features a specially developed fanless design, making it particularly suitable for high-performance computing applications in compact spaces such as laser navigation AGVs, AMRs, IoT, machine vision, and more. The Pathbreaker series is compact and sturdy, and can be reliably applied in harsh environment such as high temperature movement.

CPU Core Computing Platform Modularization

The Pathbreaker series CPU adopts modular design and can be flexibly and freely installed with Intel 11th Tiger LakeU, 8th Whiskey LakeU, 7th KabyLakeU, 6th SkylakeU Core i7/i5/i3, and Celeron computing platforms allow engineers to choose the appropriate processor for different applications, while maintaining the same appearance and installation size to avoid additional development work due to different structures and save your valuable time.



Industry leading heat dissipation design

The implementation of fanless applications on palm sized Core processors has always been a challenge and difficulty in the industry. Based on the experience accumulated from more than 100 fanless machines, Vensin continuously optimizes heat dissipation materials and simulation models, and uses leading die-casting aluminum heat pipe forming heat dissipation technology to ultimately solve industry pain points, providing you with stable and reliable high-performance computing support in a compact space.



5G

5G applications showcase their capabilities

Artificial intelligence, the 5G era has come. The Pathbreaker series follows the trend of the Internet of Things era, and can be built with a 5G full network high-speed communication module to provide data foundation for the industrial Internet and reduce costs and increase efficiency for intelligent manufacturing.

Modular I/O

The Pathbreaker series I/O interface adopts modular design, which can quickly meet your needs in different application scenarios, such as machine vision, EtherCAT operation control system, serial port, GPIO and installation methods, all of which can be configured modularly to quickly build your solution.

Tian Gong series

AMR Mobile Robot Controller



Product Features

Powerful computing performance

The Tian Gong series CPU adopts modular design, patented innovative copper aluminum integrated heat dissipation, and does not reduce frequency in high temperature and enclosed environments. AMR1000 can be flexibly and freely equipped with Intel 12th Alder Lake U, Intel 11th Tiger Lake U (i7/i5/i3) computing platform; AMR3000 supports ARM computing platform; The AMR5000 can be freely equipped with the Nvidia Jetson Orin™ series computing platform. The Tian Gong series is particularly suitable for SLAM solution companies with autonomous core algorithms to better leverage their algorithm advantages and achieve efficient autonomous navigation and positioning.



Rich I/O interfaces, highly integrated

Comes with rich I/O interfaces, supports standard protocols such as CANOPEN and Modbus TCP/IP, and can integrate industrial grade wireless network cards to solve the problem of delayed frame loss during vehicle movement. Up to 8 network ports, 8 serial ports, 8 USB, CAN interfaces, and other integrated components.



Easy to develop and deploy, customizable

The Tian Gong series integrates MCU and switches, consolidating multiple functions on a compact hardware platform. Reserve independent buses such as CAN, serial port, Ethernet port, USB, etc. to quickly generate dedicated controllers with MCU boards, which can be customized according to different application requirements. It provides software and hardware tools for development and deployment, shortening the development and deployment cycle.

No cables, more reliable

The Tian Gong series I/O interface still uses wireless cable hard physical interface connection to minimize the impact of vibration, mobile use, transportation, and poor cable contact on device communication, and minimize the influence of external environmental factors, thereby ensuring more reliable and efficient operation of the device.

High degree of specialization

The AMR5000 AI algorithm has a maximum performance of 100 TOPS, which can better leverage its algorithm advantages to achieve efficient autonomous navigation and positioning, as well as image acquisition functions. Supports 4-channel GMSL2 camera interface and GNSS navigation positioning module/IMU module, supports RTK algorithm, compact size, and positioning accuracy up to 1cm.

Products and Solutions APPLICATION



AMR AGV Mobile Robot
Industrial robot Edge computing controller



TianGong AMR1000 The controller of mobile robot

- Intel Elkhart Lake/Tiger Lake/Ulder Lake/P/Raptor Lake (7/5/3 CPU)
- Intel Iris[™]Xe Graphics card, integrated GPU and artificial intelligence computing extraordinary performance
- 2 independent RJ45 network ports, 6 switch network ports, built-in 1 network port pin, 1*HDMI, 1*Line out
- 8 serial ports (RS232*4/RS485*4), TTL*1 signal inside
- 4*USB 3.0, each channel supports separate power on/off control, 4*USB 2.0, 3*USB 2.0 inside
- Built in industrial grade roaming wireless network card, supporting 4G/5G communication Built in I2C, SMBus bus expansion
- Storage: M.2 2280 NVME/SATA, 1*SATA, 1*TF card
- 2-channel CAN, communication speed up to 1Mbps, optional CAN2.0, SocketCAN, CANopen protocol. Support watchdog function
- MCU board parameters: 8 * PDO output, supports current detection,
- 4 relay outputs, 8 NPN outputs, 18 DI inputs
- 12-28VDC power supply, equipped with reverse connection, overvoltage protection, and automatic start upon power-on
- System: Ubuntu 18.04/20.04/22.04
- Size: 190(W)*110(H)*80(D)mm
- Applications: AGV+AMR mobile robots, AI computing fields, etc



TianGong AMR3000 The controller of mobile robot

- ARM Rockchip RK3588/3576 CPU, 6+64G/8-128G
- GPU: ARM Mali-G610 MP4 (4*256KB L2 Cache) Support High performance OpenGL ES 1.1, 2.0 and 3.2, OpenCL 2.2, Vulkan 1.2 etc
- NPU: 6TOPS computing power, three core architecture, supports int4/int8/int16/FP16/BF16/TF32
- 2 independent RJ45 network ports, 4 switch network ports
- 6 serial ports (RS232*2/RS485*4), 1 TTL signal inside
- 6 x USB 3.0, 1 channel supports OTG built-in, industrial grade roaming wireless network card, supports 4G/5G communication
- Built in I2C, SMBus bus expansion, 1*HDMI, 1*Line Out
- Storage: M.2 2280 NVME/SATA, 1*SATA, 1*TF card
- Built in rich communication interfaces that can quickly match customer MCU board communication
- Optional 2-channel CAN, communication speed up to 1Mbps, optional CAN2.0, SocketCAN, CANopen protocol
- 12-28VDC power supply, equipped with reverse connection, overvoltage protection, and automatic start upon power-on
- System: Ubuntu 18.04/20.04/22.04
- Size: 170(W)*42(H)*116(D)mm
- Applications: AGV+AMR mobile robots, AI computing fields, etc



TianGong AMR5000 The controller of mobile robot

- Optional NVIDIA Jetson Orin NX/Jetson Orin Nano Series Computing Platforms
- GPU: 1024 core NVIDIA Ampere architecture with 32 Tensor Cores
- GPU: 512 core NVIDIA Ampere architecture with 16 Tensor Cores (Optional)
- NPU: Optional 100 TOPS/70 TOPS/40 TOPS/20 TOPS
- 2 independent RJ45 network ports, 4 switch network ports, Optional 4 GMSL2 camera ports
- 4 serial ports (RS232*2/RS485*2), 1 TTL signal inside
- 4 *USB 3.0, 1*Type-C, support OTG, support Debug, optional 2-channel CAN, 1*HDMI, 1*Line Out
- Built in I2C, SMBus bus expansion,
- Storage: M.2 NVME 256G or above, 1*TF card
- 12-28VDC power supply, equipped with reverse connection, overvoltage protection, and automatic start upon power-on
- System: Ubuntu 20.04/22.04
- Size: 171(W)*50(H)*117(D)mm
- Applications: AGV+AMR mobile robots, AI computing fields, etc

Products and Solutions APPLICATION



AMR AGV Mobile Robot Industrial robot Edge computing controller



Genius H10 Ultra thin high-performance computing platform

- Supports Intel 10th/11th/12th/13th Core i7/i5/i3 mobile computing platforms
- CPU up to 12 cores, 16 threads, 5GHz, Level 3 cache 18M
- 2 independent network ports, 4 serial ports (1 isolated RS-232/485/422), HDMI
- Optional 2-channel CAN, communication speed up to 1Mbps, CAN2.0, SocketCAN, CANopen protocol
- USB3.0*4, USB2.0*2
- 24VDC power supply, equipped with reverse connection, overvoltage protection, and automatic start upon incoming call
- Dedicated onboard power interface for aviation, ensuring reliable power connection for use in mobile environments
- System: Ubuntu 18.04/20.04, Win10, Win11 etc.
- Installation method (optional): Embedded, Rail type
- Size: 200(W) x 135(H) x 44(D)mm
- Applications: AGV+AMR mobile robots, machine vision, artificial intelligence computing fields, etc



Genius H20 Ultra thin high-performance computing platform

- Supports Intel 10th/11th/12th/13th Core i7/i5/i3 mobile computing platforms
- CPU up to 12 cores, 16 threads, 5GHz, Level 3 cache 18M
- 4 independent network ports, 1 serial port with built-in 3KV optocoupler isolation and 2KV surge protection, HDMI, optional VGA
- Optional 6 serial ports (1 isolated RS-232/485/422, 2 RS-232/485, 3 RS-232)
- Optional 2-channel CAN, communication speed up to 1Mbps, CAN2.0, SocketCAN, CANopen protocol
- USB3.0*4, USB2.0*2(Optional)
- 24VDC power supply, equipped with reverse connection, overvoltage protection, and automatic start upon incoming call
- Dedicated onboard power interface for aviation, ensuring reliable power connection for use in mobile environments
- System: Ubuntu 18.04/20.04, Win10, Win11, etc
- Installation method (optional): Embedded, Rail type
- Size: 200(W) x 135(H) x 44(D)mm
- Applications: AGV+AMR mobile robots, machine vision, artificial intelligence computing fields, etc



Genius H40 Compact high-performance computing platform

- Supports Intel 10th/11th/12th/13th Core i7/i5/i3 mobile computing platforms
- CPU up to 12 cores, 16 threads, 5GHz, Level 3 cache 18M
- 4 Ethernet ports, 6 serial ports (1 isolated RS-232/485/422), HDMI
- 4 USB 3.0 channels, each with a maximum power output of 6.5W, providing sufficient stable power supply for 3D camera calculations
- 24VDC power supply, equipped with reverse connection, overvoltage protection, and automatic start upon incoming call
- Dedicated onboard power interface for aviation, ensuring reliable power connection for use in mobile environments
- System: Ubuntu 18.04/20.04, Win10, Win11, etc
- Installation method (optional): Rail type, Cabinet wall mounted
- Size: 58(W) x 200(H) x 135(D)mm
- Applications: AGV+AMR mobile robots, machine vision, artificial intelligence computing fields, etc

Products and Solutions

APPLICATION



AMR AGV Mobile Robot Industrial robot Edge computing controller



Genius M10

Equipped with Intel Iris®Xe Graphics

- Intel Ice Lake 10th/TigerLakeU 11th Core i7/i5/i3 CPU
- The CPU can reach up to 4.7GHz with four cores and eight threads, and the third level cache can reach up to 12M, with a TDP of 28W
- Intel Iris®Xe Graphics card, integrated GPU and AI computing performance
- 2 Ethernet ports, 3 serial ports (2 isolated RS-232/485), HDMI+VGA
- Optional 2-channel CAN, communication speed up to 1Mbps, optional CAN2.0, SocketCAN, CANopen protocol
- 4 USB 3.0 ports, each with a maximum power output of 6.5W, providing sufficient stable power supply for 3D camera calculations
- I/O interfaces can be customized according to customer application solutions, including multiple network ports, DIO, serial ports, etc
- 12-28VDC wide voltage power supply, capable of withstanding up to 35VDC, with reverse connection, overvoltage, and short-circuit protection
- Dedicated onboard power interface for aviation, ensuring reliable power connection for use in mobile environments
- System: Ubuntu 18.04/20.04 etc, Win10, Win11 etc.
- Installation method (optional): Embedded, Rail mounted, Cabinet wall mounted
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: AGV+AMR mobile robots, machine vision, artificial intelligence computing fields, etc



Genius M20

Equipped with Intel Iris®Xe Graphics

- Intel Ice Lake 10th/TigerLakeU 11th Core i7/i5/i3 CPU
- The CPU can reach up to 4.7GHz with four cores and eight threads, and the third level cache can reach up to 12M, with a TDP of 28W
- Intel Iris®Xe Graphics card, integrated GPU and AI computing performance
- 4 Ethernet ports, 3 serial ports (2 isolated RS-232/485), HDMI
- Optional 2-channel CAN, communication speed up to 1Mbps, optional CAN2.0, SocketCAN, CANopen protocol
- 4 USB 3.0 ports, each with a maximum power output of 6.5W, providing sufficient stable power supply for 3D camera calculations
- I/O interfaces can be customized according to customer application solutions, including multiple network ports, DIO, serial ports, etc
- 12-28VDC wide voltage power supply, capable of withstanding up to 35VDC, with reverse connection, overvoltage, and short-circuit protection
- Dedicated onboard power interface for aviation, ensuring reliable power connection for use in mobile environments
- System: Ubuntu 18.04/20.04 etc, Win10, Win11 etc.
- Installation method (optional): Embedded, Rail mounted, Cabinet wall mounted
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: AGV+AMR mobile robots, machine vision, artificial intelligence computing fields, etc

Products and Solutions APPLICATION



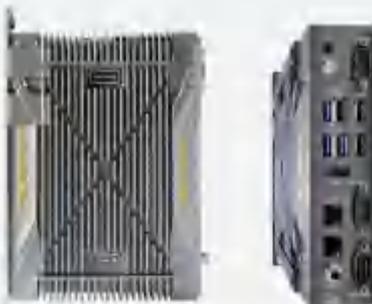
AMR AGV Mobile Robot Industrial robot Edge computing controller



Genius R10/R20

Economical edge computing platform

- Intel Elkhart LakeU J6412/N97 edge computing platform with excellent computing performance
- J6412 quad core four thread, capable of turbo frequency up to 2.6GHz, with a second level cache of 1.5M and TDP of 10W
- N97 quad core four thread, capable of turbo frequency up to 3.6GHz, with a secondary cache of 6M and TDP of 12W
- Intel i210 * 2+i226/i210 * 2, 3 serial ports with built-in 3KV optocoupler isolation and 2KV surge protection, HDMI
- Optional 2-channel CAN, optional CAN2.0, SocketCAN, CANopen protocol
- 6 USB ports, of which 2 USB 3.0 ports support a maximum power output of 6.5W per channel
- 12-28VDC wide voltage power supply, capable of withstanding up to 35VDC, with reverse connection, overvoltage, and short-circuit protection
- System: Ubuntu 18.04/20.04, Win10, Win11, etc
- Installation method (optional): Embedded, Rail mounted, Cabinet wall mounted
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: Mobile robots, machine vision, and automation equipment



Genius R11-A

Economical edge computing platform

- Intel Elkhart LakeU J6412 edge computing platform with excellent computing performance
- CPU with four cores and four threads, capable of turbo frequency up to 2.6GHz, second level cache of 1.5M, and 10W power consumption
- Intel Ultra Core Graphics Card, integrated GPU Display Performance
- Intel i226+i210, 3 serial ports, USB 3.0 * 3+USB 2.0 * 3, HDMI supports 4K display
- 12VDC power supply, dedicated aviation vehicle power interface
- System: Ubuntu 18.04/20.04, Win10, Win11, etc
- Installation method: Wall mounted installation of control cabinet
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: Mobile robots, machine vision, and automation equipment



Genius R11-H/R21-A/B

Single board economic edge computing platform

- Intel Alder Lake N97 board series edge computing platform with excellent computing performance
- 4 Ethernet ports, Intel i210 * 4, 2 Ethernet ports, i210 * 2 (optional)
- 2 serial ports (RS-232), 2 USB 3.0, 2 USB 2.0, HDMI
Press the button to restore the operating system with one click, greatly saving operation and maintenance time
- 24VDC power supply
- System: Windows 10, Ubuntu 18.04/20.04
- Installation method: Wall mounted installation of control cabinet
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: Mobile robots, machine vision, and automation equipment

Products and Solutions APPLICATION



AMR AGV Mobile Robot Industrial robot Edge computing controller



Genius M11-A Single board economic edge computing platform

- Intel Tiger LakeU 11th Core i7/i5/i3 extreme speed edge computing platform
- 2 Ethernet ports, Intel i219+i210
- 6 serial ports (COM1~5: RS-232+COM6: RS485), 6 USB3.0, 2 USB2.0,
- Dual display: HDMI * 2, 8-channel GPIO
- 12VDC power supply, dedicated aviation vehicle power interface
- System: Windows 10, Ubuntu: 18.04, 20.04, etc
- Installation method: Wall mounted installation of control cabinet
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: Mobile robots, machine vision, and automation equipment



Genius M11-B/M21-A

Single board economic edge computing platform

- Intel Ice LakeU 10th Core i7/i5/i3 extreme speed edge computing platform
- 2 Ethernet ports, Intel i210 * 2; 4 Ethernet ports, i210 * 4 (optional)
- 4 serial ports (RS-232), 2 USB 3.0, 2 USB 2.0, HDMI
- Press the button to restore the operating system with one click, greatly saving operation and maintenance time
- 24VDC power supply
- System: Windows 10, Ubuntu 18.04/20.04
- Installation method: Wall mounted installation of control cabinet
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: Mobile robots, machine vision, and automation equipment



Genius S10/S20

Integrated multi-function edge computing platform

- Intel Whiskey LakeU 8th Core i7/i5/i3 extreme speed edge computing platform
- The CPU has a maximum of 4.6GHz with four cores and eight threads, a level three cache of up to 8MB, and a maximum power consumption of 25W
- Intel Ultra Core Graphics Card, Integrated GPU Computing Performance
- 2/4 independent network ports, 6 serial ports with built-in 3KV optocoupler isolation and 2KV surge protection, HDMI (VGA optional)
- Optional 2-channel CAN, communication speed up to 1Mbps, optional CAN2.0, SocketCAN, CANopen protocol
- 4 USB 3.0 channels, each with a maximum power output of 6.5W, providing sufficient stable power supply for 3D camera calculations
- 16 channel DIO control interface, supporting NPN and PNP modes
- 12-28VDC wide voltage power supply, capable of withstanding up to 35VDC, with reverse connection, overvoltage, and short-circuit protection
- Dedicated onboard power interface for aviation, ensuring reliable power connection for use in mobile environments
- System: Ubuntu: 16.04, 18.04, 20.04, etc
- Installation method (optional): Embedded, Rail mounted, Cabinet wall mounted
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: AGV+AMR mobile robots, machine vision, artificial intelligence computing fields, etc.

Products and Solutions APPLICATION



AMR AGV Mobile Robot Industrial robot Edge computing controller



Genius S10/S20 Edge computing platform

- Intel Whiskey LakeU 8th Core i7/i5/i3 extreme speed edge computing platform
- The CPU has a maximum of 4.6GHz with four cores and eight threads, a level three cache of up to 8MB, and a maximum power consumption of 25W
- Compact and sturdy design, wireless cable car connection design, more reliable communication
- Powerful CPU core performance, turbo technology, and hyper threading computing capability
- Intel Ultra Core Graphics Card, Integrated GPU with Excellent Computing Performance
- 4 Ethernet ports, including 3 Intel i210, can be used for EtherCAT real-time motion control and machine vision computing processing, 1 communication management port, optional 2 Ethernet port models
- Removable hard drive design makes maintenance and localized hardware and software upgrades more convenient and efficient
- HDMI(+VGA) dual display (2 Ethernet ports optional, 4 Ethernet ports HDMI), 4 USB 3.0 channels
- 12-28VDC wide voltage power supply with reverse connection, overvoltage and short-circuit protection
- Dedicated onboard power interface for aviation, ensuring reliable power supply in continuous vibration environments
- System: Windows 10, Ubuntu 16.04/18.04/20.04, etc
- Installation method (optional): Rail type, Cabinet wall mounted
- Applications: Robotics, motion control, industrial lot, and other fields



Genius A10/A20 Economical edge computing platform

- Compact fanless design, wireless cable car connection technology, superior reliability
- Intel Celeron J1900 edge computing platform, main frequency 2.0GHz
- Intel i210 * 4 (optional 2 Ethernet ports), high reliability and strong real-time performance, compatible with EtherCAT hardware protocol
- 4 USB, HDMI (2 Ethernet ports optional dual display: HDMI+VGA)
- Removable hard drive design makes maintenance and localization upgrades more convenient and efficient
- 12-28VDC wide voltage power supply with reverse connection, overvoltage and short-circuit protection
- Dedicated onboard power interface for aviation, ensuring reliable power supply in harsh vibration environments
- System: Windows 10, Windows 7, Ubuntu: 16.04, 18.04, 20.04
- Installation method (optional): Rail type, Cabinet wall mounted
- Size: 173(W) x 50(H) x 121(D)mm
- Applications: Robotics, motion control, industrial lot, and other fields



Genius Mini-A Smart edge computing Platform Mini Series

- Intel Alder Lake N97 board series edge computing platform with excellent computing performance
- Compact and sturdy design, wireless cable car connection design, more reliable communication
- 4 Ethernet ports, Intel i210 * 4, supports EtherCAT, 2 USB 3.0+2 USB 2.0, HDMI display
- Press the button to restore the operating system with one click, greatly saving operation and maintenance time
- 24VDC wide voltage power supply with reverse connection, overvoltage and short-circuit protection
- System: Windows 10, Ubuntu 16.04/18.04/20.04
- Installation method (optional): Rail type, Cabinet wall mounted
- Size: 112(W) x 160(H) x 39(D)mm
- Applications: Robotics, motion control, industrial lot, and other fields



Genius Mini-B Smart edge computing Platform Mini Series

- Intel Alder Lake N97 board series edge computing platform with excellent computing performance
- Compact and sturdy design, wireless cable car connection design, more reliable communication
- 4 Ethernet ports, Intel i210 * 4, supports EtherCAT, 2 USB 3.0+2 USB 2.0, HDMI display
- 32 channels of DIO, one key recovery of operating system, greatly saving operation and maintenance time
- 24VDC wide voltage power supply with reverse connection, overvoltage and short-circuit protection
- System: Windows 10, Ubuntu 16.04/18.04/20.04
- Installation method (optional): Rail type, Cabinet wall mounted
- Size: 112(W) x 160(H) x 39(D)mm
- Applications: Robotics, motion control, industrial lot, and other fields



Genius Mini-C Smart edge computing Platform Mini Series

- Intel Alder Lake N97 board series edge computing platform with excellent computing performance
- Compact and sturdy design, wireless cable car connection design, more reliable communication
- 6 Ethernet ports, Intel i210 * 6, supports EtherCAT, 2 USB 3.0+2 USB 2.0, HDMI display
- 32 channels of DIO, one key recovery of operating system, greatly saving operation and maintenance time
- 24VDC wide voltage power supply with reverse connection, overvoltage and short-circuit protection
- System: Windows 10, Ubuntu 16.04/18.04/20.04
- Installation method (optional): rail type control cabinet wall mounted
- Size: 112(W) x 160(H) x 56(D)mm
- Applications: Robotics, motion control, industrial lot, and other fields

Products and Solutions APPLICATION



AMR AGV Mobile Robot Industrial robot Edge computing controller



ReiZ X10-A 3 LAN ports high Performance

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing Platform
- 3 independent network ports, 2 Intel i210 Gigabit network ports, and 1 Intel i219 Gigabit network port, with high reliability and real-time performance. The network port hardware supports EtherCat real-time control protocol
- 16 channel DIO with 3KV optocoupler isolation, compatible with NPN and PNP modes (optional)
- 2 serial ports RS-232/485 optional, with built-in 3KV optical isolation and 2KV surge protection, optional with 6 serial ports (RS-232/485)
- Large scale server grade aluminum fins, combined with superconducting copper tube heat dissipation technology, ensure excellent CPU heat dissipation and reliable performance in complex environments
- Power supply: 18-30VDC,+12VDC (optional)
- System: Windows7, Windows10, Ubuntu, etc.
- Size: 71(W) x 208(H) x 173(D)mm
- Applications: Machine vision, motion control, intelligent equipment, smart security, artificial intelligence and other industries



ReiZ X10-C 5 LAN ports high Performance

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing Platform
- 5 independent network ports, 4 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network port, with high reliability. Real time performance and hardware support for EtherCat real-time control protocol
- 16 channel DIO with 3KV optocoupler isolation, compatible with NPN and PNP modes (optional)
- 2 serial ports RS-232/485 optional, with built-in 3KV optical isolation and 2KV surge protection, optional with 6 serial ports (RS-232/485)
- Large scale server grade aluminum fins, combined with superconducting copper tube heat dissipation technology, ensure excellent CPU heat dissipation and reliable performance in complex environments
- Power supply: 18-30VDC,+12VDC (optional)
- System: Windows7, Windows10, Ubuntu, etc.
- Size: 71(W) x 208(H) x 173(D)mm
- Applications: Machine vision, motion control, intelligent equipment, smart security, smart transportation, artificial intelligence and other industries



ReiZ X10-G 7 LAN ports high Performance

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing Platform
- 7 independent network ports, 6 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network port, capable of continuous operation. High reliability and stability protocol
- 2 serial ports RS-232/485 optional, with built-in 3KV optical isolation and 2KV surge protection
- Large scale server grade aluminum fins, combined with superconducting copper tube heat dissipation technology, ensure excellent CPU heat dissipation and reliable performance in complex environments
- Power supply: 18-30VDC,+12VDC (optional)
- System: Windows7, Windows10, Ubuntu, etc.
- Size: 71(W) x 208(H) x 173(D)mm
- Applications: Machine vision, motion control, intelligent equipment, artificial intelligence and other industries



ReiZ X2000-H 12th 3 LAN ports machine vision platform

- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing Platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing Platform
- 3 independent network ports, LAN1: Intel i219, LAN2-3: Intel i210
- 6 serial ports (2 isolated RS-232/485, optional RS-232 for COM3-6), HDMI+DP
- 16 channel DIO with optocoupler isolation, compatible with NPN and PNP modes (optional)
- Large area server grade aluminum fins, combined with superconducting copper tubes and integrated fan heat dissipation, ensure excellent CPU heat dissipation
- Power supply: 24VDC, supports 18-30VDC wide voltage power supply
- System: Windows 10, Windows 11, Linux
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: Machine Vision, Motion Control, Intelligent Equipment, Artificial Intelligence, etc



ReiZ X2000-A 12th 3 LAN ports machine vision platform

- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing Platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing Platform
- 3 independent network ports, LAN1: Intel i219, LAN2-3: Intel i210
- 6 serial ports (2 isolated RS-232/485, optional RS-232 for COM3-6), HDMI+DP
- 16 channel DIO with optocoupler isolation, compatible with NPN and PNP modes (optional)
- Large area server grade aluminum fins, combined with superconducting copper tubes and integrated fan heat dissipation, ensure excellent CPU heat dissipation
- Power supply: 12VDC power supply
- System: Windows 10, Windows 11, Linux
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: Machine Vision, Motion Control, Intelligent Equipment, Artificial Intelligence, etc



ReiZ X2000-B 12th 5 LAN ports machine vision platform

- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing Platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing Platform
- 5 independent network ports, LAN1: Intel i219, LAN2-5: Intel i210
- 6 serial ports (2 isolated RS-232/485, optional RS-232 for COM3-6), HDMI+DP
- 16 channel DIO with optocoupler isolation, compatible with NPN and PNP modes (optional)
- Large area server grade aluminum fins, combined with superconducting copper tubes and integrated fan heat dissipation, ensure excellent CPU heat dissipation
- Power supply: 12VDC power supply
- System: Windows 10, Windows 11, Linux
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: Machine Vision, Motion Control, Intelligent Equipment, Artificial Intelligence, etc

Products and Solutions APPLICATION



AMR AGV Mobile Robot Industrial robot Edge computing controller



ReiZ X2000-K 12th 5 LAN machine vision platform

- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing Platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing Platform
- 5 independent network ports, LAN1: Intel i219, LAN2-5: Intel i210
- 6 serial ports (2 isolated RS-232/485, optional RS-232 for COM3-6), HDMI+DP
- 16 channel DIO with optocoupler isolation, compatible with NPN and PNP modes (optional)
- Large area server grade aluminum fins, combined with superconducting copper tubes and integrated fan heat dissipation, ensure excellent CPU heat dissipation
- Power supply: 24VDC, supports 18-30VDC wide voltage power supply
- System: Windows 10, Windows 11, Linux
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: Machine Vision, Motion Control, Intelligent Equipment, Artificial Intelligence, etc



ReiZ X2000-C 12th 7 LAN machine vision platform

- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing Platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing Platform
- 7 independent network ports, LAN1: Intel i219, LAN2-7: Intel i210
- 4 serial ports (2 isolated RS-232/485, optional RS-232 for COM3-4), HDMI+DP
- 16 channel DIO with optocoupler isolation, compatible with NPN and PNP modes (optional)
- Large area server grade aluminum fins, combined with superconducting copper tubes and integrated fan heat dissipation, ensure excellent CPU heat dissipation
- Power supply: 24VDC, supports 18-30VDC wide voltage power supply
- System: Windows 10, Windows 11, Linux
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: Machine Vision, Motion Control, Intelligent Equipment, Artificial Intelligence, etc



ReiZ X2000-E 12th 4 channel light source machine vision platform

- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing Platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing Platform
- 7 independent network ports, LAN1: Intel i219, LAN2-7: Intel i210
- Four channel light source intelligent control interface, maximum power of 24W for a single channel, total power of 96W for 4 channels
- 16 channel DIO with optocoupler isolation, compatible with NPN and PNP modes (optional)
- 2 serial ports, RS232/485 optional, with built-in 3KV optical isolation and 2KV surge protection
- Large area server grade aluminum fins, combined with superconducting copper tubes and integrated fan heat dissipation, ensure excellent CPU heat dissipation
- Power supply: 24VDC
- System: Windows 10, Windows 11, Linux
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: Machine Vision, Motion Control, Intelligent Equipment, etc



ReiZ X20-B Six serial ports high-performance computing platform

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing platform
- 5 independent network ports, 4 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network port, Both high reliability and real-time, support EtherCAT real-time control protocol
- 16 bit DIO with 3KV optocoupler isolation, compatible with NPN and PNP modes (optional)
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- 6 Serial ports, COM1/2: RS-232/485 optional, with 3KV optical insulation and 2KV surge protection, COM3-6: RS-232
- Power supply: 12VDC; 18-30VDC (optional)
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent environmental protection, intelligent transportation, artificial intelligence and other industries



ReiZ X20-C Seven Lan ports high-performance computing platform

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 65W/65W Computing platform
- 7 independent network ports, 6 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network port, 6 channels full real-time visual communication and computing, with continuous operation of high reliability and stability
- 16 DIO with 3KV optocoupler isolation, compatible with NPN and PNP modes (optional)
- 4 Serial port, COM1/2: RS-232/485 optional, with 3KV optical insulation and 2KV surge protection, COM3-4: RS-232
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 12VDC; 18-30VDC (optional)
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: machine vision, motion control, intelligent equipment, artificial intelligence and other industries



ReiZ X20-E Four-channel light source high-performance computing platform

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing platform
- 7 independent network ports, 6 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network port, 6 channels full real-time visual communication and computing, with continuous operation of high reliability and stability
- 4-channel light source intelligent control interface, single-channel maximum power 24W, 4-channel total power 96W
- 16 bit DIO with 3KV optocoupler isolation, compatible with NPN and PNP modes (optional)
- 2 Serial ports, optional COM1/2: RS-232/485 with 3KV optical insulation and 2KV surge protection
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 24VDC
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 208(W) x 89(H) x 173(D)mm
- Applications: machine vision, motion control, intelligent equipment, artificial intelligence and other industries

Products and Solutions

APPLICATION



Machine vision, Motion control
Intelligent equipment edge
computing controller



ReiZ X60-A Economical machine vision computing platform

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing platform
- 5 independent network ports, 4 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network port, HDMI+VGA dual display
- 1 serial port, COM1: RS-232/485 optional, with 3KV optical partition
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 220VAC/24V power supply, one key to restore the operating system
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 108(W) x 86(H) x 202(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries



ReiZ X60-B Economical machine vision computing platform

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing platform
- 5 independent network ports, 4 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network port, HDMI+VGA dual display
- 6 Serial ports, COM1: RS-232/485 optional, 2KV surge protection, COM2-6:RS-232
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 220VAC/24V power supply, one key to restore the operating system
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 108(W) x 86(H) x 202(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries



ReiZ X60-C Economical machine vision computing platform

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing platform
- 9 independent network ports, 8 Intel i210 Gigabit network, 1 Intel i219 Gigabit network port, HDMI+VGA dual display
- 3 Serial ports, COM1: RS-232/485 optional, 2KV surge protection, COM2-3:RS-232
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 220VAC/24V power supply, one key to restore the operating system
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 108(W) x 86(H) x 202(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries

Products and Solutions

APPLICATION



Machine vision, Motion control
Intelligent equipment edge
computing controller



ReiZ V10 6 serial ports fanless high-performance computing platform

- Intel 9th /8th /7th /6th Core i7/i5/i3 LGA1151 65W Fanless desktop computing platform
- COM x 6:2 x RS-232/485 3KV optocoupler isolation serial ports, 4 x RS485 COM x 6:2 x RS-232/485 3KV optocoupler isolation serial ports, 4 x RS232
- HDMI+VGA, with 1 PCIeX8 expansion slot, 3/6 x LAN, 8 x USB
- Power supply: +24VDC, 220VAC
- 6 PoE network ports are available
- System: Windows, Ubuntu, etc.
- Size: 281(W) x 132(H) x 193(D)mm
- Applications: machine vision, motion control, intelligent equipment, artificial intelligence and other industries



ReiZ V20 Fanless high performance computing platform

- Intel 9th /8th /7th /6th Core i7/i5/i3 LGA1151 65W Fanless desktop computing platform
- High performance machine vision platform priority solution with 3/7/11/15 network ports
- Supports up to 32GB DDR42666 memory
- 3 x LAN, 2 x COM, 16 x DIO(selectable), 8 x USB, HDMI+VGA
- Optional 1 x PCIeX8, 1 x PCIeX4; 1 x PCIeX8, 1 x PCI32bit; 2 x PCI32bit
- Power supply: +24VDC, 220VAC
- System: Windows, Ubuntu, etc.
- Size: 281(W) x 132(H) x 193(D)mm
- Applications: machine vision, motion control, intelligent equipment, artificial intelligence and other industries



ReiZ V30-P Fanless high performance speed computing platform

- Intel 9th /8th /7th /6th Core i7/i5/i3 LGA1151 65W Fanless desktop computing platform
- Supports up to 32GB DDR42666 memory
- NVIDIA 1060/1660s/1650/3060 graphics card can be installed, independent heat dissipation channel
- Large area aluminum profile and copper pipe seamless thermal conductivity design
- 3 x Intel network cards, 8 independent signals USB
- 2 x COM, 16 x DIO(optional), +24VDC power supply
- 1 x PCIe X4 expansion slot
- System: Windows7, Windows10, Ubuntu, etc.
- Size: 281(W) x 132(H) x 197(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries



ReiZ X60-D **Economical machine vision computing platform**

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing platform
- 5 independent network ports, 4 Intel i210 Gigabit network, 1 Intel i219 Gigabit network port, HDMI+VGA dual display
- 2 Serial ports, COM1: RS-232/485 optional, 2KV surge protection, COM2:RS-232, 1 x PCIe expansion slot
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 220VAC/24V power supply, one key to restore the operating system
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 108(W) x 86(H) x 202(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries



ReiZ X70-A **Economical machine vision computing platform**

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing platform
- 6 independent network ports, 5 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network ports, HDMI
- 2 Serial ports (COM1-2: 232/485 Optional), 4 USB3.0 ports
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 220VAC/24V power supply, one key to restore the operating system
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 162(W) x 215(H) x 67(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries



ReiZ X70-B **Economical machine vision computing platform**

- Intel 9th/8th/7th/6th Core i7/i5/i3 LGA1151 35W/65W Computing platform
- 10 independent network ports, 9 Intel i210 Gigabit network ports, 1 Intel i219 Gigabit network port, HDMI
- 4 Serial ports (COM1-4: 232/485 optional), 16 bit DIO channels, and 6 USB3.0 ports
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 220VAC/24V power supply, one key to restore the operating system
- Operating system: Windows11, Windows10, Windows7, Ubuntu, etc.
- Size: 162(W) x 215(H) x 80(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries



ReiZ G10

Six-port fanless computing platform

- Intel 9th /8th /7th /6th Core i7/i5/i3 LGA1151 65W Fanless desktop computing platform
- Compact and rugged for harsh environments
- 6 x LAN, 6/8 x USB, 2 x COM
- Power supply: +24VDC, 220VAC optional PoE power supply module
- Superconducting hot copper tube and large area aluminum integrated heat dissipation
- Size: 281(W) x 77(H) x 190(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent transportation, artificial intelligence and other industries



ReiZ X3000-A 12th-generation 13th-generation expansion card high-performance computing platform

- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing platform
- 3 independent network ports, both high reliability and real-time, hardware support EtherCat real-time control protocol
- 6 Serial ports, COM1/2: RS-232/485 optional, with 3KV optical insulation and 2KV surge protection, COM3-6:RS-232
- 2 expansion slots: 1* PCI-X16 + 1* PCI-X4, expandable to NVIDIA 3060 GPU graphics cards
- 16 bit DIO with 3KV optocoupler isolation, compatible with NPN and PNP modes (optional)
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 220VAC/12V
- Operating system: Windows7, Windows10, Ubuntu, etc.
- Size: 208(W) x 153(H) x 200(D)mm
- Applications: machine vision, motion control, intelligent equipment, automation equipment, artificial intelligence and other industries



ReiZ X5000-H 12th-generation 13th-generation independent graphics card high-performance computing platform

- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing platform
- 7 independent network ports, 6 Intel 210/211 Gigabit network, 1 communication port, 6 channels full real-time visual communication and computing, with high reliability and stability of continuous work
- 4 Serial ports, COM1/2: RS-232/485 optional, with 3KV optical insulation and 2KV surge protection, COM3-4:RS-232
- GPU expansion slot: 1* PCI-X16 + 1* PCI-X4, expandable to NVIDIA 4060 GPU graphics card
- 16 bit DIO with 3KV optocoupler isolation, compatible with NPN and PNP modes (optional)
- Large area server-grade aluminum fins, combined with superconducting copper cooling technology, ensure excellent CPU heat dissipation and reliable face of complex environments
- Power supply: 220VAC/12V(Switching power supply)
- Operating system: Windows7, Windows10, Ubuntu, etc.
- Size: 208(W) x 153(H) x 255(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries



Pathbreaker K30 Handheld Mini industrial computer

- Intel TigerLakeU 11th Core i7/i5/i3 Extreme edge computing platform
- Suitable for high-performance intelligent computing and image processing applications in compact spaces
- 4G Nano SIM card slot, software watchdog function
- 2 x LAN, 3 x COM, 2 x USB, 12VDC-28VDC Power supply
- 1 x M.2 2242 SSD, 1 x M.2 Key-E, 1 x M.2 Key-B
- Operating system: Windows, Ubuntu, etc.
- Size: 143(W) x 63 (H) x 96(D)mm
- Applications: IoT, data gateway, automation, AGV, machine vision and other industries



Genius H10

Economical machine vision computing platform

- Intel 10th Ice Lake /11th Tiger LakeU/i7/i5/i3 mobile computing platform
- Intel 12th Alder Lake P/N /13th Raptor LakeU i7/i5/i3 mobile computing platform
- CPU up to 10 core 12 threads 4.8GHz, level 3 cache up to 24M
- 2 independent network ports, 4 serial ports (1 isolated RS-232/485/422), HDMI
- Optional 2 CAN ports, the communication rate is up to 1Mbps, CAN2.0, SocketCAN, CANopen protocol can be selected
- USB3.0*4, USB2.0*2
- 24VDC power supply with reverse connection, overvoltage protection and self-starting call
- Special aviation vehicle power interface to ensure reliable power supply connection in mobile environment
- System: Ubuntu 18.04/20.04, Win10, Win11 etc.
- Installation mode: Embedded
- Size: 200(W) x 135(H) x 44(D)mm
- Applications: AGV+AMR mobile robot, machine vision, artificial intelligence computing field, etc



Genius H20

Ultra-thin high-performance computing platform

- Intel 10th Ice Lake /11th Tiger LakeU/i7/i5/i3 mobile computing platform
- Intel 12th Alder Lake P/N /13th Raptor LakeU i7/i5/i3 mobile computing platform
- CPU up to 10 core 12 threads 4.8GHz, level 3 cache up to 24M
- 4 independent network ports, 1 serial port with 3KV optocoupler isolation and 2KV surge protection, HDMI, VGA optional
- Optional 6 serial ports (1 isolated RS-232/485/422, 2 RS-232/485, 3 RS-232)
- Optional 2 CAN ports, the communication rate is up to 1Mbps, CAN2.0, SocketCAN, CANopen protocol (optional)
- USB3.0*4, USB2.0*2(optional)
- 24VDC power supply with reverse connection, overvoltage protection, self-starting call
- Special aviation vehicle power interface to ensure reliable power supply connection in mobile environment
- System: Ubuntu 18.04/20.04, Win10, Win11 etc.
- Installation mode: Embedded
- Size: 200(W) x 135(H) x 44(D)mm
- Applications: AGV+AMR mobile robot, machine vision, artificial intelligence computing field, etc



Genius H40

Compact high-performance computing platform

- Intel 10th Ice Lake /11th Tiger LakeU/i7/i5/i3 mobile computing platform
- Intel 12th Alder Lake P/N /13th Raptor LakeU i7/i5/i3 mobile computing platform
- CPU up to 10 core 12 threads 4.8GHz, level 3 cache up to 24M
- 4 Ethernet ports, 6 serial ports (1 isolated RS-232/485/422), HDMI
- 4 USB 3.0 channels, each with a maximum power output of 6.5W, providing sufficient stable power supply for 3D camera calculations
- 24VDC power supply, equipped with reverse connection, overvoltage protection, and automatic start upon incoming call
- Dedicated onboard power interface for aviation, ensuring reliable power connection for use in mobile environments
- Operating System: Ubuntu 18.04/20.04, Win10, Win11, etc.
- Installation method (optional): rail type, control cabinet wall mounted
- Size: 58(W) x 200(H) x 135(D)mm
- Applications: AGV+AMR mobile robot, machine vision, artificial intelligence computing field, etc

Products and Solutions

APPLICATION



AI BOX



Genius H30 Compact high-performance computing platform

- Intel 10th Ice Lake /11th Tiger LakeU/i7/i5/i3 mobile computing platform
- Intel 12th Alder Lake P/N /13th Raptor LakeU i7/i5/i3 mobile computing platform
- CPU up to 10 core 12 threads 4.8GHz, level 3 cache up to 24M
- 2 ports, 6 serial ports (1 isolated RS-232/485/422), HDMI+VGA
- 4 USB3.0 channels, each power output supports up to 6.5W, providing sufficient regulated power supply for 3D camera computing
- 24VDC power supply with reverse connection, overvoltage protection and self-starting call
- Special aviation vehicle power interface to ensure reliable power supply connection in mobile environment
- System: Ubuntu 18.04/20.04, Win10, Win11 etc.
- Installation mode (optional): Eail type, Cabinet wall mounted
- Size: 58(W) x 200(H) x 135(D)mm
- Applications: AGV+AMR mobile robot, machine vision, artificial intelligence computing field, etc



ReiZ V30-P Fanless high performance speed computing platform

- Intel 8th/7th/6th Core i7/i5/i3 LGA1151 65W Fanless desktop computing platform
- Supports up to 32GB DDR4 2666 memory
- NVIDIA 1060/1660s/1650/3060 graphics card can be installed, independent heat dissipation channel
- Large area aluminum profile and copper pipe seamless thermal conductivity design
- 3 intel network cards, 8 independent signals USB
- 2 x COM, 16 x DIO(optional), +24VDC power supply
- 1 x PCIE X4 expansion slot
- System: Windows7, Windows10, Ubuntu, etc.
- Size: 281(W) x 132(H) x 197(D)mm
- Applications: machine vision, motion control, intelligent equipment, intelligent security, intelligent transportation, artificial intelligence and other industries



Waterproof controller Drone Waterproof Controller Calculation Platform

- Intel Alder Lake N97, Intel Elkhart Lake J6412/6425RE computing platform
- 2 independent network ports (i226/i210), 2 switch network ports (1 x POE)
- 1x HDMI, 1920*1680@60Hz
- 4 Serial ports, COM1-4:RS485, 2 x USB2.0(M12 waterproof), 2 x USB3.0
- 8 x GPI, 8 x GPO, selectable 2 x CAN
- All-round waterproof design, Fanless design
- Power supply: 12VDC(with overvoltage, reverse protection function)
- Operating system: Windows 10, Linux.
- Size: 210(W) x 71(H) x 150(D)mm
- Applications: UAV, artificial intelligence, outdoor waterproofing and other industries



Pathbreaker K10/K20 Handheld Mini industrial computer

- It can be flexibly installed on Intel 8th/7th/6th Core/Celeron computing platforms
- Supports up to 16GB DDR4 2666 memory
- Suitable for high-performance intelligent computing and image processing applications in compact Spaces
- 4G Nano SIM card slot, software watchdog function
- I/O interface: 2 x LAN, 3 x COM, 8 x GPIO, 3/6 x USB
- Power supply: 12-28VDC
- Size: 143(W) x 43/50(H) x 96(D)mm
- Applications: AGV+AMR, IoT, machine vision, etc.



Pathbreaker K10 (5G) Handheld Mini industrial computer

- It can be flexibly installed on Intel 8th /7th/6th Core /Celeron computing platforms
- Supports up to 16GB DDR4 2666 memory
- Suitable for high-performance intelligent computing and image processing applications in compact Spaces
- 5G Nano SIM card slot, software watchdog function
- I/O interface: 2 x LAN, 1 x COM, 8 x GPIO, 3/6 x USB
- Power supply: 12-28VDC
- Size: 143(W) x 43(H) x 96(D)mm
- Applications: AGV+AMR, IoT, machine vision, etc.



Genius H20 Ultra-thin high-performance computing platform

- Intel 10th Ice Lake /11th Tiger LakeU/i7/i5/i3 mobile computing platform
- Intel 12th Alder Lake P/N /13th Raptor LakeU (7/i5/i3 mobile computing platform)
- CPU up to 10 core 12 threads 4.8GHz, level 3 cache up to 24M
- 4 independent network ports, 1 serial port with 3KV optocoupler isolation and 2KV surge protection, HDMI, VGA optional
- Optional 6 serial ports (1*isolated RS-232/485/422, 2*RS-232/485, 3*RS-232)
- Optional 2 CAN ports, the communication rate is up to 1Mbps, CAN2.0, SocketCAN, CANopen protocol (optional)
- USB3.0*4, USB2.0*2(optional)
- 24VDC power supply with reverse connection, overvoltage protection and self-starting call
- Special aviation vehicle power interface to ensure reliable power supply connection in mobile environment
- System: Ubuntu 18.04/20.04, Win10, Win11 etc.
- Installation mode: Embedded
- Size: 200(W) x 135(H) x 44(D)mm
- Applications: AGV+AMR mobile robot, machine vision, artificial intelligence computing field, etc.



NT RK3568 Intelligent traffic controller

- ARM Rockchip RK3568, Clock speed up to 2.0GHz
- Mali-G52, support OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
- Support 1T computing power, 8G SDRAM LPDDR4X-3200MHz on board
- Display: LVDS(DB15P double female), HDMI, DVI
- TF card slot, SIM card insertion, software watchdog function, one click recovery function
- I/O interface: 2 x LAN, 10 x COM, 8 x GPIO, 8 x USB, Line-Out + MIC
- Power supply: 9-36VDC(optional)
- Size: 195(W) x 90(H) x 120(D)mm
- Applications: Intelligent transportation, rail transit and other industries



NT D2000 Intelligent traffic controller

- Phytium D2000 processor
- Mali-G52, support OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
- Support 1T computing power, 8G SDRAM LPDDR4X-3200MHz on board
- Display: LVDS(DB15P double female), HDMI, DVI
- TF card slot, SIM card slot, software watchdog function, one-click recovery function
- I/O interface: 2 x LAN, 10 x COM, 8 x GPIO, 8 x USB, Line-Out + MIC
- Power supply: 12VDC
- Size: 202(W) x 90(H) x 190(D)mm
- Applications: Intelligent transportation, rail transit and other industries



LingYun AR100-A Industrial IoT controller

- ARM Rockchip RK3588/3568, 8+64G/8+128G
- 3 independent network ports, 8 serial ports (RS-485), 2 x HDMI
- 2 CAN channels are available, the communication rate is up to 1Mbps, CAN2.0, SocketCAN, CANopen protocol
- USB3.0*2, USB2.0*2(optional)
- Optional 9-36VDC power supply, with reverse connection, overvoltage protection and call self-start
- Special aviation vehicle power interface to ensure reliable power supply connection in mobile environment
- System: Android, Linux
- Installation mode: Embedded
- Size: 157(W) x 50(H) x 115(D)mm
- Applications: AGV+AMR mobile robots, robotics, artificial intelligence computing fields, etc



LingYun AR100-B Industrial IoT controller

- ARM Rockchip RK3588/3568, 8+64G/8+128G
- 3 independent network ports, 4 serial ports (COM1-2:RS-232/485; COM3-4:RS232), 2 x HDMI
- 2 CAN channels are available, the communication rate is up to 1Mbps, (supports CAN2.0, SocketCAN, CANopen protocol)
- USB3.0*2, USB2.0*2(optional)
- Optional 9-36VDC power supply, with reverse connection, overvoltage protection and call self-start
- System: Android, Linux
- Installation mode : Embedded
- Size : 157(W) x 50(H) x115(D)mm
- Applications: AGV+AMR mobile robots, robotics, artificial intelligence computing fields, etc

Products and Solutions

APPLICATION



Industrial grade HMI
Square screen capacitive touch scheme



ReiS T19C

Embedded 19 "square screen tablet

- 19" fanless capacitive screen, compact and robust, screen resolution: 1280*1024
- Optional Intel 13th/12th/11th/8th/7th/6th i7&i5&i3 and Celeron/Atom CPU computing platform
- Optional I/O interface: 2/4 x LAN, 3/6 x COM, 6 x USB, Power supply: 12-28VDC
- High precision die-cast aluminum and superconducting hot copper tubes are seamlessly welded for heat dissipation in harsh environments
- Optional 2000mAh lithium battery ensures worry free data in case of unexpected power failure
- Operating system: Windows7, Windows10, Ubuntu, etc.
- Size: 452(W) x 377(H) x 359(D)mm
- Cabinet opening: 434(W) x 359 (H) mm
- Applications: machine vision, CNC machine tools, intelligent equipment, MES, new energy and other industries



ReiS T15C

Embedded 15 "square screen tablet

- 15" industrial capacitive screen, screen resolution: 1024*768
- Optional Intel 13th/12th/11th/8th/7th/6th i7&i5&i3 and Celeron/Atom CPU computing platform
- Optional I/O interface: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC
- Highly integrated design and modular I/O configuration allow you to build your solution efficiently
- Compact single-sided interface, reduce space, debug operation and maintenance list
- Operating system: Windows7, Windows10, Ubuntu, etc.
- Size: 376(W) x 297(H) x 70(D)mm
- Cabinet opening: 368(W) x 289(H) mm
- Applications: machine vision, CNC machine tools, intelligent equipment, MES, new energy and other industries



ReiS T12C

Embedded 12 inch square screen tablet computer

- 12" inch industrial grade capacitive screen, fanless, screen resolution: 1024 * 768
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Seamless combination of high-precision die-casting molds and superconducting hot copper tubes, reliably facing complex environments
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 307(W) x 243(H) x 69(D)mm
- Cabinet opening: 299(W) x 238 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T10C Embedded 10 inch square screen tablet computer

- 10.4" industrial grade capacitive screen, fanless, screen resolution: 800 * 600, 1024 * 768 (optional)
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Seamless combination of high-precision die-casting molds and superconducting hot copper tubes, reliably facing complex environments
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 262(W) x 212(H) x 71(D)mm
- Cabinet opening: 250(W) x 193 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T08C Wall mounted 8-inch square screen tablet computer

- Industrial grade capacitive screen, fanless, compact and sturdy, screen resolution: 800 * 600 8"
- Optimal Solution for Small Screen Integrated Machine Vision Computing Platform
- Intel 11th/10th/8th/7th/6th Core/Celeron/Atom mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Localized hardware platform upgrades can be easily and quickly implemented to build reliable and low-cost solutions,
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 226(W) x 186(H) x 68 (D)mm
- VESA opening: 100(W) x 100 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, and vehicle mounted systems



ReiS T21C-Q Embedded 21 inch widescreen tablet computer

- 21.5" industrial grade capacitive screen, fanless, extremely narrow edge, fanless, compact and sturdy
- Screen resolution: 1920 * 1080
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Optional 2000mAh lithium battery ensures worry free data in case of unexpected power failure
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 538(W) x 324(H) x 69(D)mm
- Cabinet opening: 530(W) x 316 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, new energy, etc



ReiS T21C Wall mounted 21 inch widescreen tablet computer

- 21.5" capacitive full screen, fanless, precision die cast aluminum integrated heat dissipation
- Screen resolution: 1920 * 1080
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional Intel 9th/8th/7th/6th 35W desktop grade CPU
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Optional 2000mAh lithium battery with guaranteed data security
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 526(W) x 312(H) x 67(D)mm
- VESA hole spacing: 100(W) x 100(H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, new energy, etc



ReiS T15W Embedded 15 inch widescreen tablet computer

- 15.6" capacitive full screen, fanless, screen resolution: 1366 * 768, 1920 * 1080 (optional)
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Optional 2000mAh lithium battery with guaranteed data security
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 390(W) x 245(H) x 65(D)mm
- Cabinet opening: 384(W) x 239(H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc

Products and Solutions

APPLICATION



Industrial grade HMI
Wide screen capacitive touch solution



ReiS T10W

Embedded 10 inch widescreen tablet computer

- 10.1" industrial grade capacitive screen, fanless, excellent texture, ultra light design, screen resolution: 1280 * 800
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Optimal Solution for Small Screen Integrated Machine Vision Computing Platform
- Simple and efficient construction of reliable low-cost solutions
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance, and localizing hardware platform upgrades
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 253(W) x 172(H) x 53(D)mm
- Cabinet opening: 247(W) x 166 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc

Products and Solutions

APPLICATION



Industrial grade HMI

Square screen capacitive touch solution



ReiS T17 Embedded 17 inch square screen tablet computer

- 17" industrial grade resistive screen, fanless, screen resolution: 1280 * 1024
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Fanless, precision die cast aluminum integrated heat dissipation, suitable for harsh environments
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 406(W) x 334(H) x 70(D)mm
- Cabinet opening: 398(W) x 324 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, new energy, etc



ReiS T15 Embedded 15 inch square screen tablet computer

- 15" inch industrial grade resistive screen, fanless, screen resolution: 1024 * 768
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Highly integrated design, modular I/O configuration, efficient construction of your solution,
- Compact single-sided interface, reduces space, and provides a clear view of debugging, operation, and maintenance
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 376(W) x 297(H) x 70(D)mm
- Cabinet opening: 368(W) x 289 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T12 Embedded 12 inch square screen tablet computer

- 12" inch resistive screen, fanless, compact and sturdy, screen resolution: 1024 * 768
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 307(W) x 243(H) x 69(D)mm
- Cabinet opening: 299(W) x 238 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T10

Embedded 17 inch square screen tablet computer

- 10.4" resistive screen, fanless, screen resolution: 800 * 600, 1024 * 768 (optional)
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 262(W) x 212(H) x 71(D)mm
- Cabinet opening: 250(W) x 193(H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T08-Q

Embedded 8-inch square screen tablet computer

- 8" resistive screen, fanless, compact and sturdy, screen resolution: 800 * 600
- Optional Intel 11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optimal Solution for Small Screen Integrated Machine Vision Computing Platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Localized hardware platform upgrades can be easily and quickly implemented to build reliable and low-cost solutions.
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 223(W) x 179(H) x 70(D)mm
- Cabinet opening: 215(W) x 171(H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, and vehicle mounted systems

Products and Solutions

APPLICATION



Industrial grade HMI
Wide screen capacitive touch solution



ReiS T19W

Embedded 19 inch widescreen tablet computer

- 19" full flat industrial resistive screen, fanless, screen resolution: 1440 * 900
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Modular minimalist design, with modular combination of CPU and I/O
- Seamless welding of high-precision die cast aluminum and superconducting hot copper tubes for heat dissipation, suitable for harsh environments
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 477(W) x 326(H) x 68(D)mm
- Cabinet opening: 466(W) x 320 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T18WR

Embedded 18 inch widescreen tablet computer

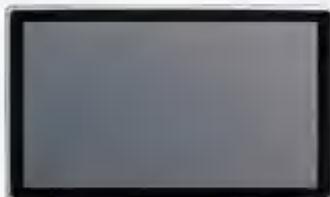
- 18" widescreen industrial resistive screen, fanless, screen resolution: 1920 * 1080
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Optional 2000mAh lithium battery with guaranteed data security
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 443(W) x 280(H) x 72.5(D)mm
- Cabinet opening: 438(W) x 273 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T15WR

Embedded 15 inch widescreen tablet computer

- 15.6" full flat industrial resistive screen, fanless, Screen resolution: 1366 * 768, 1920 * 1080 (optional)
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom CPU mobile computing platform
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Independently installable and detachable hard drive, SIM card, UPS battery, achieving localized operation and maintenance
- Optional 2000mAh lithium battery with guaranteed data security
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 397(W) x 251(H) x 73(D)mm
- Cabinet opening: 384(W) x 240 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T21CK-Q Embedded 21 inch widescreen tablet computer

- 21.5" industrial grade touch capacitive screen with extremely narrow edge design, screen resolution: 1920 * 1080
- Intel 9th/8th/7th/6th Core i7/i5/i3 35W/65W computing platform
- Optional I/O interfaces: 3 x LAN, 2/6 x COM, 8 x USB, 24VDC power supply
- Expansion slot (optional): 1 x Mini PCIe slot;
 - 1 x PCIeX8, 1 x PCIeX4 ;
 - 1 x PCIeX8, 1 x PCI32bit;
 - 2 x PCI32bit;
- Power supply: 24V/6.25A
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 530(W) x 324(H) x 69(D)mm
- Cabinet opening: 530(W) x 316 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, new energy, etc



ReiS T19WK Embedded 19 inch widescreen tablet computer

- 19" full flat industrial resistive screen, fanless, Screen resolution: 1440 * 900
- Intel 9th/8th/7th/6th Core i7/i5/i3 35W/65W computing platform
- Optional I/O interfaces: 3 x LAN, 2/6 x COM, 9 x USB (including front 1xUSB), 24VDC power supply
- Expansion slot (optional): 1 x Mini PCIe slot;
 - 1 x PCIeX8, 1 x PCIeX4 ;
 - 1 x PCIeX8, 1 x PCI32bit;
 - 2 x PCI32bit;
- Power supply: 24V/6.25A
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 477(W) x 326(H) x 111(D)mm
- Cabinet opening: 466(W) x 320 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, new energy, etc



ReiS T19CK Embedded 19 inch square screen tablet computer

- 19" inch industrial grade touch capacitive screen, no fan, screen resolution: 1280 * 1024
- Intel 9th/8th/7th/6th Core i7/i5/i3 35W/65W computing platform
- Optional I/O interfaces: 3 x LAN, 2/6 x COM, 8 x USB, 24VDC power supply
- Optional PoE network port power supply module
- Expansion slot (optional): 1 x Mini PCIe slot;
 - 1 x PCIeX8, 1 x PCIeX4 ;
 - 1 x PCIeX8, 1 x PCI32bit;
 - 2 x PCI32bit;
- Power supply: 24V/6.25A
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 452(W) x 377(H) x 111(D)mm
- Cabinet opening: 434(W) x 359 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, new energy, etc

Products and Solutions

APPLICATION



Industrial grade HMI Expansion card solution



ReiS T17K

Embedded 19 inch square screen tablet computer

- 17" inch industrial grade touch resistive screen (optional capacitive screen), screen resolution: 1280 * 1024
- Intel 9th/8th/7th/6th Core i7/i5/i3 35W/65W computing platform
- Optional I/O interfaces: 3 x LAN, 2/6 x COM, 8 x USB, 24VDC power supply
- Optional PoE network port power supply module
- Expansion slot (optional): 1 x Mini PCIe slot;
1 x PCIeX8, 1 x PCIeX4 ;
1 x PCIeX8, 1 x PCI32bit;
2 x PCI32bit;
- Power supply: 24V/6.25A
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 407(W) x 334(H) x 111(D)mm
- Cabinet opening: 398(W) x 326 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T15K

Embedded 15 inch square screen tablet computer

- 15" inch industrial grade touch resistive screen (optional capacitive screen), screen resolution: 1024 * 768
- Intel 9th/8th/7th/6th Core i7/i5/i3 35W/65W computing platform
- Optional I/O interfaces: 3 x LAN, 2/6 x COM, 8 x USB, 24VDC power supply
- Optional PoE network port power supply module
- Expansion slot (optional): 1 x Mini PCIe slot;
1 x PCIeX8, 1 x PCIeX4 ;
1 x PCIeX8, 1 x PCI32bit;
2 x PCI32bit;
- Power supply: 24V/6.25A
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 376(W) x 297(H) x 113(D)mm
- Cabinet opening: 368(W) x 289 (H) mm
- Can be applied to industries such as machine vision, CNC machine tools, intelligent equipment, MES, etc



ReiS T21-Q-RFID 21 inch RFID tablet computer

- 21.5" industrial grade touch capacitive screen, extremely narrow edge, fanless, compact and sturdy, screen resolution: 1920 * 1080
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom and other mobile computing platforms
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Supports 16 channel DIO expansion, WiFi and Bluetooth expansion
- Optional 2000mAh lithium battery ensures worry free data in case of unexpected power failure
- Supporting protocols: ISO/IEC 14443 TypeA, TypeB (optional), ISO/IEC 15693 (optional) Supporting protocols:
- Support card types: Mifare Std 1K, Mifare Std 4K, Mifare UltraLight, Mifare Pro card, TypeA CPU card, TypeB CPU (optional), Icode2 (optional)
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 539(W) x 413(H) x 79.1(D)mm
- Cabinet opening: 530(W) x 316 (H) mm
- Can be applied to industries such as intelligent equipment, MES, new energy, etc



ReiS T19C-CS01 19 inch RFID tablet computer

- 19" inch fanless capacitive screen, fanless, compact and sturdy, screen resolution: 1280 * 1024
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom and other mobile computing platforms
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB 12-28VDC power supply
- Supports 16 channel DIO expansion, WiFi and Bluetooth expansion
- Optional 2000mAh lithium battery ensures worry free data in case of unexpected power failure
- Supporting protocols: ISO/IEC 14443 TypeA, TypeB (optional), ISO/IEC 15693 (optional)
- Support card types: Mifare Std 1K, Mifare Std 4K, Mifare UltraLight, Mifare Pro card, TypeA CPU card, TypeB CPU (optional), Icode2 (optional)
- Seamless welding of high-precision die cast aluminum and superconducting hot copper tubes for heat dissipation, suitable for harsh environments
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 452(W) x 415(H) x 74(D)mm
- Cabinet opening: 434(W) x 397 (H) mm
- Can be applied to industries such as intelligent equipment, MES, new energy, etc



ReiS T18W-CS01 18 inch multifunctional tablet computer

- 18" inch fanless capacitive screen, fanless, compact and sturdy, screen resolution: 1920 * 1080
- Optional Intel 13th/12th/11th/10th/8th/7th/6th Core/Celeron/Atom and other mobile computing platforms
- Optional I/O interfaces: 2/4 x LAN, 3/6 x COM, 6 x USB, 12-28VDC power supply
- Supports 16 channel DIO expansion, WiFi and Bluetooth expansion
- Supporting protocols: ISO/IEC 14443 TypeA, TypeB (optional), ISO/IEC 15693 (optional)
- Support card types: Mifare Std 1K, Mifare Std 4K, Mifare UltraLight, Mifare Pro card, TypeA CPU card, TypeB CPU (optional), Icode2 (optional)
- Seamless welding of high-precision die cast aluminum and superconducting hot copper tubes for heat dissipation, suitable for harsh environments
- Optional 2000mAh lithium battery ensures worry free data in case of unexpected power failure
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc
- Size: 443(W) x 330(H) x 72(D)mm
- Cabinet opening: 438(W) x 322 (H) mm
- Can be applied to industries such as intelligent equipment, MES, new energy, etc

Products and Solutions APPLICATION



Industrial grade HMI
Desktop high performance All-in-one pc



ReiS T21CX-Q 21 inch industrial tablet computer

- 21.5" industrial grade touch capacitive screen, extremely narrow edge, fanless, compact and sturdy, screen resolution: 1920 * 1080
- Intel Alder Lake 12th Core i7/i5/i3 Desktop edge computing platform
- Intel Raptor Lake 13th Core i7/i5/i3 Desktop edge computing platform
- 3/5/7 Ethernet ports are optional, one Intel i219 Gigabit Ethernet port, Supports EtherCat
- 16 channel DIO with 3KV optocoupler isolation, compatible with NPN and PNP modes (optional)
- 6 serial ports: COM1/2: RS-232/485 optional, COM3-6: RS-232
- Power supply: 12VDC; 18-30VDC (optional)
- Power supply: 12VDC; 18-30VDC (optional)
- Operating systems: Windows 11, Windows 10, Windows 7, Ubuntu, etc.
- Size: 538(W) x 324(H) x 69(D)mm
- Cabinet opening: 530(W) x 316 (H) mm
- Can be applied to industries such as data collection and intelligent equipment

Products and Solutions

APPLICATION



Industrial grade HMI
Industrial IoT Solution



ReiS TAR21C-Q

21 inch industrial tablet computer

- 21.5" industrial grade touch capacitive screen, extremely narrow edge, fanless, compact and sturdy, screen resolution: 1920 * 1080
- Optional Rk3588, Rk3568 processors, 8+64G/8+128G storage
- 2 x LAN, 4 x USB, 2x HDMI, 12VDC power supply, Line out
- Simple and efficient construction of reliable low-cost solutions, Localizable hardware platform upgrade
- Operating systems: Android, Linux
- Size: 538(W) x 324(H) x 69(D)mm
- Cabinet opening: 530(W) x 316 (H) mm
- Can be applied to industries such as data collection and intelligent equipment



ReiS TAR15W

15.6-inch industrial tablet computer

- 15.6" capacitive full screen, fanless, screen resolution: 1366 * 768, 1920 * 1080 (optional)
- Optional Rk3588, Rk3568 processors, 8+64G/8+128G storage
- 2 x LAN, 4 x USB, 2x HDMI, 12VDC power supply, Line out
- Simple and efficient construction of reliable low-cost solutions, Localizable hardware platform upgrade
- Operating systems: Android, Linux
- Size: 390(W) x 245(H) x 65(D)mm
- Cabinet opening: 384(W) x 239 (H) mm
- Can be applied to industries such as data collection and intelligent equipment



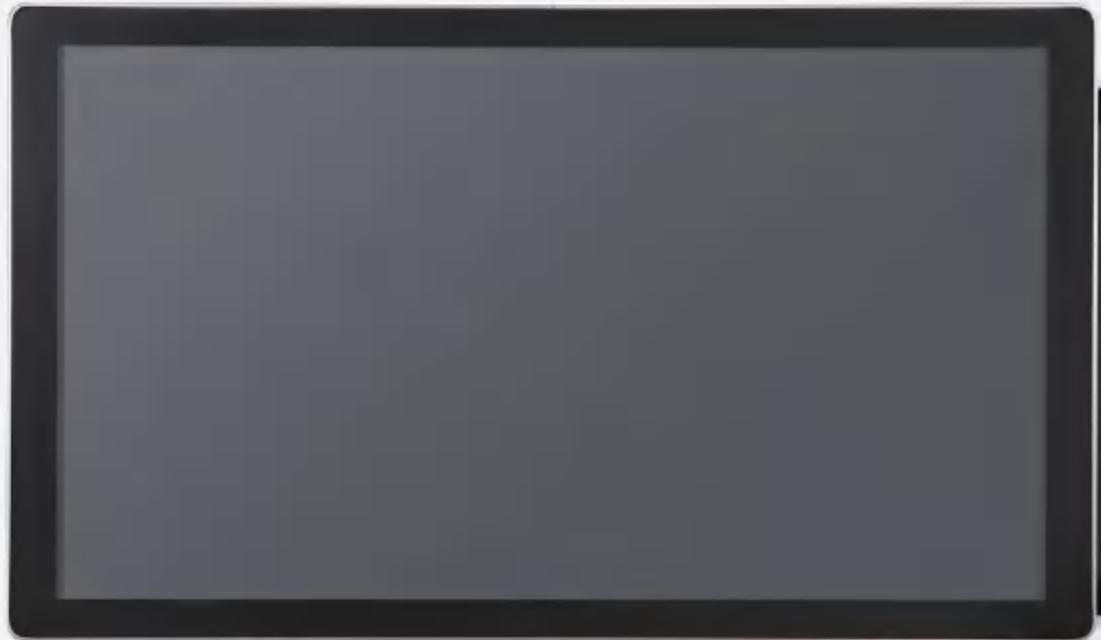
ReiS TAR10W

10.1-inch industrial tablet computer

- 10.1" fanless capacitive screen, excellent texture, ultra light design, screen resolution: 1280 * 800
- Optional Rk3588, Rk3568 processors, 8+64G/8+128G storage
- 2 x LAN, 4 x USB, 2x HDMI, 12VDC power supply, Line out
- Optimal Solution for Small Screen Integrated Machine Vision Computing Platform
- Simple and efficient construction of reliable low-cost solutions, Localizable hardware platform upgrade
- Operating systems: Android, Linux
- Size: 253(W) x 172(H) x 63(D)mm
- Cabinet opening: 247(W) x 166 (H) mm
- Can be applied to industries such as data collection and intelligent equipment

FVS

Full flat industrial display



FVS Series



FVS-3021CT

Industrial capacitive touch screen
Screen size: 21.5" LED
Resolution: 1920 * 1080
Brightness: 300cd/m²
Interface: 1 x USB, 1x HDMI, 1x VGA, 1x DVI
Size: 526(W) x 312(H) x 44.5(D)mm
VESA installation: 100(W) x 100(H)mm
Power supply: +12VDC input,
+24VDC input (optional)
Embedded installation/VESA installation
Desktop installation



FVS-3021CT-Q

Industrial capacitive touch screen
Screen size: 21.5" LED
Resolution: 1920 * 1080
Brightness: 300cd/m²
Interface: 1 x USB, 1x HDMI, 1x VGA, 1x DVI
Size: 538(W) x 324(H) x 45.5(D)mm
VESA installation: 530(W) x 316(H)mm
Power supply: +12VDC input,
+24VDC input (optional)
Embedded installation/VESA installation
Desktop installation



FVS-3017T

Industrial resistive touch screen
Screen size: 17" LED
Resolution: 1280 * 1024
Brightness: 300cd/m²
Interface: 1 x USB, 1x VGA, 1x DVI
Size: 406(W) x 334(H) x 46(D)mm
VESA installation: 398(W) x 326(H)mm
Power supply: +12VDC input,
+24VDC input (optional)
Embedded installation/VESA installation
Desktop installation



FVS-3015T/3015CT

Full plane industrial resistive/
capacitive touch screen
Screen size: 15"LED
Resolution: 1024 * 768
Brightness: 300cd/m²
Interface: 1 x USB, 1x VGA, 1x DVI
Size: 376(W) x 297(H) x 46(D)mm
Cabinet opening:368(W) x 289(H)mm
Power supply:+12VDC input,
+24VDC input (optional)
Embedded installation/VESA installation
Desktop installation



FVS-3012T/3012CT

Full plane industrial resistive/
capacitive touch screen
Screen size: 12"LED
Resolution: 1024 * 768
Brightness: 400cd/m²
Interface: 1 x USB, 1x VGA, 1x DVI
Size: 307(W) x 243(H) x 45(D)mm
Cabinet opening:299(W) x 238(H)mm
Power supply:+12VDC input,
+24VDC input (optional)
Embedded installation/VESA installation
Desktop installation



FVS-3010T/3010CT

Full plane industrial resistive/
capacitive touch screen
Screen size: 10.4"LED
Resolution: 800 * 600
Brightness: 400cd/m²
Interface: 1 x USB, 1x VGA, 1x DVI
Size: 259(W) x 205.4(H) x38.6(D)mm
Cabinet opening:244(W) x 171(H)mm
Power supply:+12VDC input,
+24VDC input (optional)
Embedded installation/VESA installation
Desktop installation