Vantron Technology, Inc.

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Vantron

PRODUCT CATALOG

Vantron Technology, Inc.

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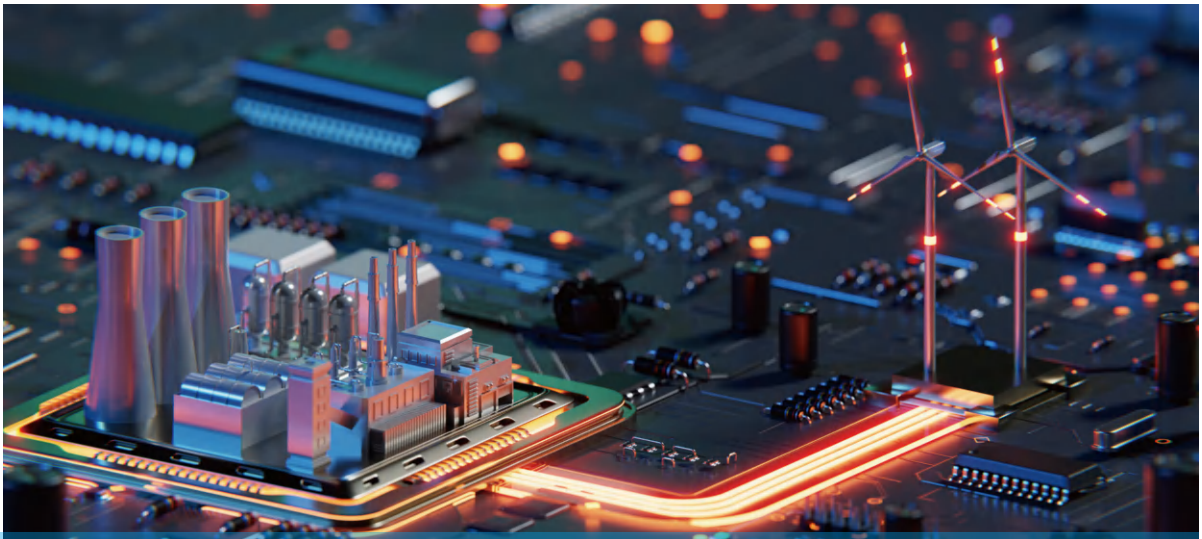
BLUESPHERE CLOUD-BASED PAAS SOLUTIONS

05

INDUSTRIAL COMMUNICATION DEVICE

COMPANY PROFILE



20+ Years
Industry Experience

200+
R&D Engineers

1.2M+ Devices
Shipped in 2024

5+
Worldwide Manufacturing Sites

850+
Global Customers

ABOUT US:

Vantron Technology, Inc. is a high-tech enterprise specializing in IoT communication and control devices including edge computing gateways, routers, embedded boards, embedded industrial computers, mobile PCs, touchscreen monitors, all-in-one panel PCs, and more.

With advanced embedded computing and IoT communication technologies, the company strives to offer solutions to address "fragmented" challenges in IoT applications. By bridging the upstream electronic components with specific downstream IoT requests, Vantron has helped customers shorten time to market, lower application costs, and increase project success rates.

Vantron serves customers both at home and abroad, including many Fortune Global 500 companies and publicly listed companies. To date, Vantron' s IoT products have played a significant role in driving the intelligent transformation of many well-known companies, enhancing productivity, and strengthening company competitiveness .

PRODUCT LINES INCLUDE:

MDM

GWM

- Intelligent edge hardware
- Industrial communication device
- Intelligent display
- BlueSphere cloud platform

Software Development

Android-related

Android framework development
Android BSP & App development
Android multimedia development
Stability and performance related solutions
Android program development

IIoT software

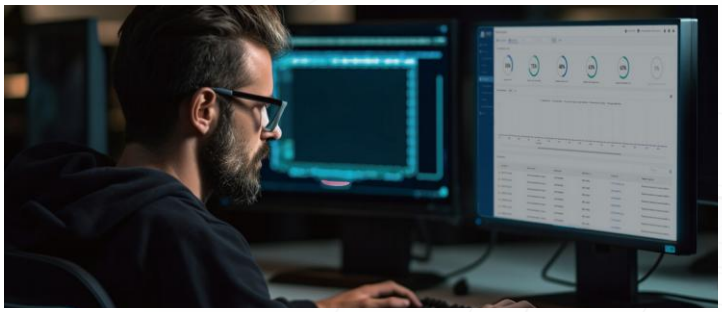
Industrial protocol software
IoT gateway OS
Virtual digital encryption
Routing protocol conversion

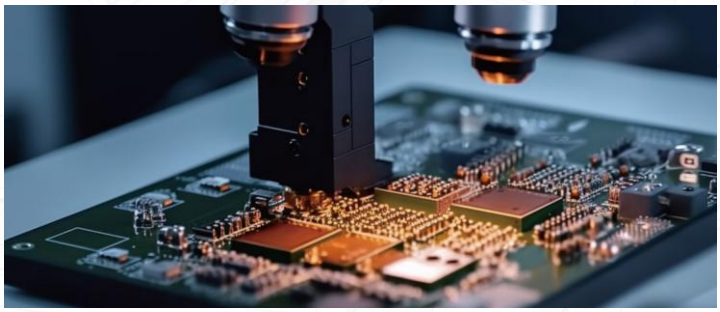
Linux-related

Kernel and driver development
Linux App development
Linux network tech. development
Stability and performance related solutions

Cloud platform

Virtual technology
Parallel cloud computing
Distributed resource management
Mass data management





Custom Design

Power consumption

High power density
High precision
Ultra-low consumption
Interference immunity

Overall reliability

High electrical & structural reliability
Abrupt power failure protection
Time-proof FMEDA
Cross-industry & cross-category application

Other highlights

ID design
Water and dust proof
Multiple installation options
Whole device cooling, rugged design

Dedicated Teams

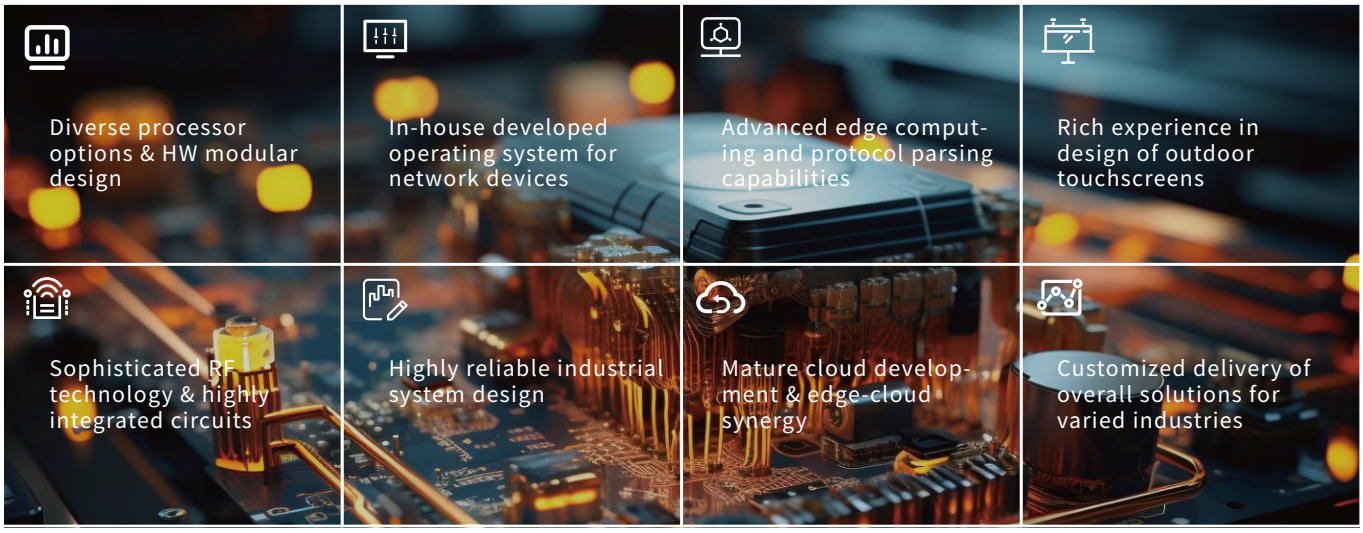
Sales manager — Customer follow-up before and after the sale

FAE — Pre-sales/aftersales technical support and product training

Project Manager— 1V1 project process/progress management

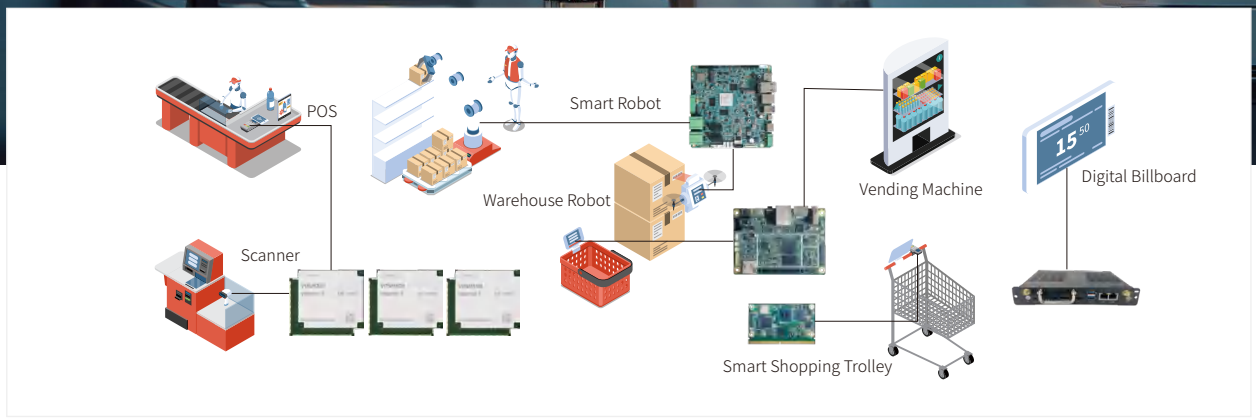
Product manager— Offering custom solutions for specific needs

Core Advantages



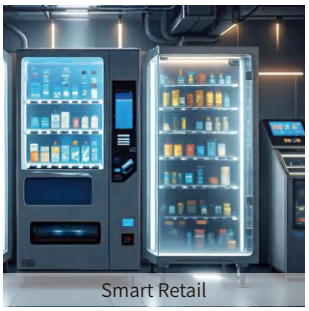
INTELLIGENT EDGE HARDWARE

The intelligence upgrade and digital transformation of different industries have put forward more specific requirements for hardware. In addition to basic requirements like low consumption, high stability, multiple display interfaces, dual memories, and function customization, hardware also needs to be robust enough to withstand high temperature, high pressure and other extreme working environments. Commercial-grade boards, in some cases, cannot meet such requirements, making industrial embedded boards a better option.




AGV Robot


Smart Home


Smart Retail


Healthcare

Vantron offers a wide range of processor options to suit your applications, including ARM and x86 architectures, as well as both industrial and commercial grades from international and domestic brands.

intel · Rockchip · NXP · MEDIATEK · Qualcomm · NVIDIA · CYPRESS · Texas Instruments · Microchip · ST

Windows · Android · Linux · VantronOS

VT-SBC-RK35M

Scan to view more

ARM-based Single Board Computer

- Rockchip RK3288W, Quad-core ARM Cortex-A17, up to 1.6GHz
- 2GB DDR; 32GB Storage; 1 x Micro SD slot
- 1 x RJ45; 1 x HDMI; 1 x 4-lane eDP/Dual LVDS; 1 x backlight connector
  4 x USB 2.0 Type-A; 3 x USB 2.0 Host connector; 1 x Micro USB (OTG supported)
  1 x RS232 DB9; 1 x RS232 for debugging; 1 x RS232/485/422 connector
- Android, Linux
- 3.5", 146mm x 102mm

VT-SBC35-3562

Scan to view more

ARM-based Single Board Computer

- Rockchip RK3562, Quad-core ARM Cortex-A53, up to 2.0GHz
- 2GB LPDDR4x; 32GB eMMC(Optional: SSD expansion)
- 2 x RJ45; 1 x MIPI DSI/1 x HDMI 1.4; 2 x MIPI CSI
  2 x RS232; 2 x RS232/485/422
  2 x USB 2.0 Type-A; 2 x USB 2.0 connector; 1 x USB 2.0 Type-C
- Android 13, Debian 11, Ubuntu 20.04
- 3.5", 146mm x 102mm

VT-SBC-RK66

Scan to view more

ARM-based Single Board Computer

- Rockchip RK3566, Quad-core ARM Cortex-A55, up to 1.8GHz
- 4 GB LPDDR4; 32GB eMMC(up to 128GB), 1 x Micro-SD (up to 128GB)
- 1 x RJ45; 1 x HDMI; 1 x 4-lane eDP; 1 x 8-lane MIPI DSI
  4 x USB 2.0 Type-A(USB OTG supported); 1 x USB 3.0
  1 x RS232 DB9; 1 x RS232 pin header; 2 x RS232/485 DB9
- Android 11, GMS certified (Optional: Linux)
- 155mm x 105mm x 21.5mm

VT-SBC-3568-GEN2

Scan to view more

ARM-based Single Board Computer

- Rockchip RK3568, Quad-core ARM A55 MPCore, up to 2.0GHz
- 4GB LPDDR4 (Optional: 8GB); 32GB eMMC(Optional: 64GB)
- 2 x RJ45; 1 x HDMI 2.0; 1 x MIPI-DSI; 1 x eDP/1 x LVDS
  1 x USB3.0/1 x USB2.0 Host
  1 x USB3.0/1 x USB2.0 OTG; 2 x USB2.0 Host
  5 x UART(RS232/RS485); 2 x CAN; 1 x m.2; 1 x mini PCIe
- Android11, Debian11, Ubuntu 20.04
- 3.5", 146mm x 102mm

VT-SBC-3568-NT&VT-SBC-3566-NT

Scan to view more

ARM-based Single Board Computer

- Rockchip RK3568, Quad-core Cortex-A55, up to 2.0 GHz
  Rockchip RK3566, Quad-core Cortex-A55, up to 1.8GHz
- 4GB LPDDR4 (Optional: 8GB); 64GB eMMC; 1 x Micro SD slot
- 1 x RJ45; 1 x Dual-lane MIPI DSI; 2 x Micro HDMI
  (RK3568: Extend mode supported; 3566: Duplicate mode supported)
  2 x USB 2.0 Type A; 2 x USB 3.0 Type A; 1x USB 2.0 Type-C
- Android 11, Debian 10, Yocto
- 85mm x 56mm x 19.5mm

VT-SBC-3399

Scan to view more

ARM-based Single Board Computer

- Rockchip RK3399, Dual-core ARM Cortex-A72, 1.8GHz and Quad-core ARM Cortex-A53, 1.4GHz
- 4GB LPDDR4 (Optional: 2GB); 32GB eMMC; 1 x Micro SD slot
- 1 x RJ45; 1 x HDMI; 1 x MIPI DSI; 1 x eDP; 2 x LVDS; 1 x backlight connector
  1 x USB 3.0, Type-A; 1 x USB 2.0, Type-A; 3 x USB 2.0 Host connector
  1 x USB 3.0 Type-C(support OTG); 1 x RS485; 2 x RS232; 1 x RS232, for debugging
- Android, Linux
- 3.5", 146mm x 102mm

VT-SBC35-3576

Scan to view more

ARM-based Single Board Computer

- Rockchip RK3576, Quad-core ARM Cortex-A72 + Quad-core ARM Cortex-A53, up to2.2GHz
- 4GB LPDDR4x; 128GB UFS 2.1 (UFS boot); 64GB eMMC5.1
- 2 x RJ45; 1 x MIPI DSI; 1 x HDMI; 3 x MIPI CSI-2
  2 x RS232, 2 x RS232/485/422
  2 x USB 3.0 Type-A; 4 x USB 2.0 connector; 1 x USB 3.0 Type-C (OTG, DP 1.4)
- Android 14, Debian 11
- 3.5", 146mm x 102mm

VT-SBC-3588

Scan to view more

ARM-based Single Board Computer

- Rockchip RK3588, Quad-core A76 + Quad-core A55, up to 2.4GHz
- 8GB LPDDR4(Optional: 16GB); 64GB eMMC(Optional: 32GB/128GB)
- 2 x RJ45; 1 x LVDS; 1 x HDMI; 1 x eDP; 1 x MIPI DSI
  2 x USB3.0 Type A; 1 x USB 2.0 Type-A; 1 x USB Type-C OTG; 3 x USB 2.0 connector
  2 x RS232/RS485 on the Phoenix terminal, 4 x RS232/RS485 connector
  4 x GPIO(Phoenix terminal); 3 x GPIO(pin header)
- Android13, Debian
- 146.9mm x 140mm

VT-SBC-G350

Scan to view more

ARM-based Single Board Computer

- MTK MT8365, Quad-core ARM Cortex-A53, up to 2.0GHz
- 2GB LPDDR4(up to 4GB); 16GB eMMC(up to 64GB)
- 1 x RJ45; 1 x 4-Lane MIPI DSI; 1 x HDMI
  1 x USB 2.0 Type-C; 1 x USB 2.0 Type-A; 1 x USB 2.0 connector
  2 x UART for communication; 1 x UART for debugging
- Android 10+, Optional: Linux
- 100mm x 75mm

VT-SBC35-G510

Scan to view more

ARM-based Single Board Computer

- MTK MT8370, Dual-core ARM Cortex-A78 2.0 GHz + Quad-core ARM Cortex-A55 2.0 GHz
- 4GB LPDDR4x ; 64GB eMMC(Optional: SSD expansion); 1 x Micro SD slot
- 1 x MIPI DSI/LVDS; 1 x eDP; 1 x HDMI; 1 x DP over USB Type-C; Dual-display extended
  1 x RJ45; 2 x USB 2.0 Type-A; 2 x USB 3.0 Type-A; 2 x USB 2.0 connector
  1 x Micro USB 2.0 (Debug); 1 x USB 3.0 Type-C (DisplayPort)
  2 x RS232, 2 x RS232/RS422/RS485
- Android 13+, Yocto
- 3.5", 146mm x 102mm

VT-SBC35-G700

Scan to view more

ARM-based Single Board Computer

- MTK MT8390, Dual-core ARM Cortex-A78 2.2 GHz + Hexa-core ARM Cortex-A55 2.0 GHz
- 4GB LPDDR4x; 64GB eMMC(Optional: SSD expansion); 1 x Micro SD slot
- 1 x MIPI DSI/LVDS; 1 x DP over USB Type-C; 1 x eDP; 1 x HDMI, Dual-display extended
  1 x RJ45; 2 x USB 2.0 Type-A; 2 x USB 3.0 Type-A; 2 x USB 2.0 connector
  1 x Micro USB 2.0 (Debug); 1 x USB 3.0 Type-C (DisplayPort)
  2 x RS232 , 2 x RS232/RS422/RS485
- Android 13+, Yocto
- 3.5", 146mm x 102mm

VT-SBC35-G1200

Scan to view more

ARM-based Single Board Computer

- MTK MT8395, Quad-core ARM Cortex-A78 2.2 GHz + Quad-core ARM Cortex-A55 2.0 GHz
- 8GB LPDDR4x; 64GB eMMC 5.1 + 64GB UFS 2.1(Optional: SSD expansion); 1 x Micro SD slot
- 1 x MIPI DSI/LVDS; 1 x DP over USB Type-C; 1 x eDP; 2 x HDMI, Dual-display extended
  1 x RJ45; 1 x USB 2.0 Type-A; 1 x USB 3.0 Type-A; 3 x USB 2.0 connector
  1 x Micro USB 2.0; 1 x USB 3.0 Type-C (DisplayPort)
  2 x RS232 , 2 x RS232/RS422/RS485
- Android 13+, Yocto
- 3.5", 146mm x 102mm

VT-SBC-IMX8MMN

Scan to view more

ARM-based Single Board Computer

- NXP i.MX 8M Mini, Quad-core ARM Cortex-A53, up to 1.8GHz
- 3GB LPDDR4; 16GB eMMC 5.1; 1 x Micro SD slot
- 1 x RJ45; 1 x 4-Lane MIPI DSI; 1 x HDMI
  1 x Micro USB 2.0 OTG; 4 x USB 2.0 Type-A
  1 x RS232/RS485; 1 x RS232; 1 x RS232, for debugging
- Android, Linux
- 120mm x 90mm

VT-SBC-IMX8XQ7

Scan to view more

ARM-based Computer-on-Module

- NXP i.MX8X, Quad-core ARM Cortex-A35, 1.2GHz
- 4GB LPDDR4(Optional: 2GB); 64GB eMMC 5.1(Optional: 16GB)
- 1 x 1000Mbps; 2 x MIPI/LVDS
  1 x USB 2.0 OTG; 1 x USB 3.0
  4 x UART
- Android, Linux
- Q-Seven form factor, 70mm x 70mm

VT-SBC-SMARC-8MP

Scan to view more

ARM-based Computer-on-Module

- NXP i.MX8M Plus, Dual- or Quad-core ARM Cortex-A53, 1.8GHz-2.0GHz
- 2GB LPDDR4; 16GB eMMC 5.1
- 2 x 1000Mbps; 2 x LVDS; 1 x MIPI DSI; 1 x HDMI 2.0a
  1 x USB OTG; 2 x USB 2.0; 2 x USB 3.0
  1 x UART with CTS/RTS; 2 x UART without CTS/RTS
- Linux
- SMARC 2.1 form factor, 82mm x 50mm

VT-SBC-SMARC-IMX93

Scan to view more

ARM-based Computer-on-Module

- NXP i.MX9331, Single-core ARM Cortex-A55, up to 1.7GHz
- 512MB LPDDR4 (Optional: 2GB/8GB); 16GB eMMC 5.1
- 2 x 1000Mbps
  1 x MIPI DSI, 1 x LVDS (Optional: 2 x LVDS), 1 x MIPI CSI
  1 x USB OTG, 4 x USB 2.0Host
  3 x UART; 40 x GPIO
- Yocto
- SMARC 2.1 form factor, 82mm x 50mm

VT-COME-BASIC-E2176

Scan to view more

X86-based Computer-on-Module

- Intel Xeon E series processors
- DDR4 SO-DIMM socket, 2400MHz, up to 64GB; 4 x SATA 3.0
- 1 x 1000Mbps; 1 x LVDS/eDP, 1 x VGA, 1 x DDI(Configurable as HDMI/DVI/DP)
  4 x USB 2.0, 4 x USB 3.0; 2 x UART(TTL)
  1 x PCIe 3.0 x 8, 1 x PCIe 3.0 x 16, 1 x LPC, 1 x SMBUS
- Windows7/8.1/10, Linux
- 125mm x 95mm

VT-SBC35-APL

Scan to view more

X86-based Single Board Computer

- Intel Atom, APL-I E3940 Quad-core processo, up to 1.8GHz
- DDR3L SO-DIMM socket, up to 8GB; 64GB eMMC; 1 x SATA 3.0
- 2 x RJ45; 1 x HDMI(Standard); 1 x Dual LVDS; 1 x eDP
  2 x USB 2.0 Type-A; 2 x USB 3.0 Type-A; 4 x Built-in USB 2.0
  2 x RS232/RS422/RS485; 2 x RS232
- Windows 10 IoT, Linux
- 3.5", 146mm x 102mm

VT-SBC-C3558R

Scan to view more

X86-based Single Board Computer

- Intel Atom C3558R Quad-core processor, 2.4GHz
- 1 x DDR4 SO-DIMM socket (up to 32GB), 32GB eMMC, 2 x SATA 3.0, 1 x M.2 B-Key for SSD
- 6 x RJ45(Optional: 2 x 10Gb SFP)
  2 x USB 2.0 Type-A
  1 x RS232, 1 x RS485
- Yocto
- 220mm x 178mm

VT-SBC-EKT

Scan to view more

X86-based Single Board Computer

- Intel Elkhart Lake Atom x6425E(Optional:J6412) Quad-core processor, up to 3.0GHz
- DDR4 SO-DIMM socket, 3200MT/s, up to 16 GB
  64GB on-board eMMC (optional); 1 x SATA Gen 3 slot (6Gb/s, up to 2TB)
- 2 x RJ45; 1 x HDMI; 1 x DP; 1 x Dual LVDS/eDP connector
  2 x RS232; 1 x RS485; 2 x RS232/422/485
  2 x USB 2.0; 2 x USB 3.0; 2 x USB 2.0
- Linux, Windows 10 IoT
- 153.5mm x 123 mm

VT-MITX-APL

Scan to view more

X86-based Single Board Computer

- Intel Celeron, APL-N3350, Quad-core processo, up to 2.4GHz
- DDR3L SO-DIMM socket, 1866 MHz, up to 8GB; 1 x SATA 3.0
- 2 x RJ45; 1 x HDMI; 1 x Dual-channel LVDS; 1 x VGA
  2 x USB 2.0 Type-A; 2 x USB 3.0 Type-A; 4 x Built-in USB 2.0
  2 x RS232; 2 x RS232/RS422/RS485
- Windows 10 IoT, Linux
- MITX form factor, 170mm x 170mm

VT-MITX-TGL

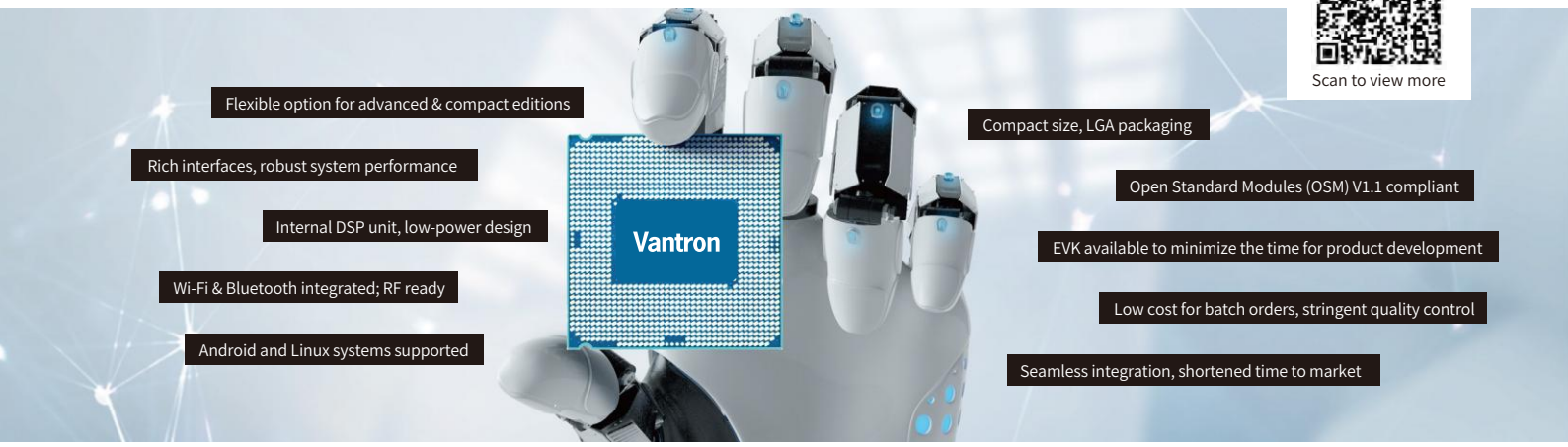
Scan to view more

X86-based Single Board Computer

- 11th Gen Intel Core U-Serie i5-1135G7 processor
- 2 x DDR4 SO-DIMM socket, 3200MHz, up to 64GB ; 1 x SATA 3.0
- 2 x RJ45; 1 x HDMI; 1 x DP; 1 x LVDS; 1 x eDP
  2 x USB 2.0 Type-A; 2 x USB 3.0 Type-A; 1 x USB Type-C; 3 x Built-in USB 2.0
  2 x RS232; 2 x RS232/RS422/RS485
- Windows 10 IoT; Linux
- MITX form factor, 170mm x 170mm

SYSTEM-ON-MODULE

Scan to view more



	2023	2024	2025 +
Premium		VOSM510 • MTK G510 • Wi-Fi 5 / BT 5.2 • -20°C～+60°C • Android 13+, Linux Yocto	VOSM95 • NXP I.MX9596 • Wi-Fi 6 / BT 5.2 • -40°C～+85°C • Linux Yocto
Mainstream	VOSM568 • Rockchip, RK3568 • Wi-Fi 5 / BT 5.0 • -20°C～+70°C • Android 11, Linux VOSM800 • NXP I.MX8M Mini • Wi-Fi 5 / BT 5.0 • -40°C～+85°C • Android 11, Linux, Windows 10 IoT		VOSM93 • NXP I.MX9352 • Wi-Fi 5 / BT 5.0 • -40°C～+85°C • Linux Yocto VOSM91 • NXP I.MX91xx • Wi-Fi 5 / BT 4.2 • -40°C～+85°C • Linux Yocto
Entry	VOSM350 • MTK G350 • Wi-Fi 5 / BT 5.2 • -20°C～+60°C • Android 10/11/12, Linux	VOSM2290 • Qualcomm QCS2290 • Wi-Fi 5 / BT 5.0 • -20°C～+60°C • Android 13+	

Edge AI · Medical · Smart Home · Industrial · Retail

MULTIMEDIA PLAYER

Oplayer357

Scan to view more

- Intel Core i3/i5/i7 or Celeron 6305 processor
- 2 x DDR4 3200 SO-DIMM, up to 64GB; Expansion by an M.2 B-key
- 2 x RJ45, 1 x DP1.4(4K@60Hz), 1 x HDMI1.4(4K@30Hz)
  2 x USB 3.0 Type-A, 1 x 3.5mm Line out jack
- Windows 10 IoT, Linux
- 200mm x 120mm x 30mm

Oplayer3399

Scan to view more

- Rockchip RK3399 2 x A72 + 4 x A53 processor
- 2GB LPDDR4(Optional: 4GB), 16GB eMMC(Optional: 64GB)
- 1 x RJ45; 1 x USB 3.0 Type-A; 3 x USB 2.0 Type-A; 1 x Micro USB 2.0 (OTG)
  1 x RS232/ RS485; 1 x HDMI 2.0 (4K @60Hz); 1 x 3.5mm Line out jack
- Android 10+, Linux
- 200mm x 120mm x 30mm

HT6200 HDBaseT

Scan to view more

- Intel Celeron 6305E processor
- 8GB DDR4(up to 64GB), 128GB SSD
- 1/2 x RJ45 HDBaseT, up to 3840 x 2160@30Hz; 1 x HDMI 1.4, up to 3840 x 2160@30Hz
  2 x USB 3.0 Type-A, 2 x USB 2.0 Type-A; 1 x 3.5mm Combo audio jack
- Windows 10 IoT, Linux
- 225mm x 180.8mm x 44mm

HT7200 HDBaseT

Scan to view more

- Intel Core i7-1195G7 processor
- 8GB DDR4(up to 64GB), 128GB SSD
- 2/4 x RJ45, HDBaseT, up to 3840 x 2160@30Hz; 1 x HDMI 1.4, up to 3840 x 2160@30Hz
  2 x USB 3.0 Type-A, 2 x USB 2.0 Type-A; 1 x 3.5mm Combo audio jack
- Windows 10 IoT, Linux
- 225mm x 180.8mm x 44mm

EDGE AI INDUSTRIAL COMPUTER

IBOXJT2

Scan to view more

- NVIDIA Jetson TX2 NX, Quad-core A57+Dual-core NVIDIA Denver processor
- AI performance: 1.33 TFLOPS
- 4GB LPDDR4(Optional: 8GB); 16GB eMMC(Optional: 64GB/128GB); 1 x Micro SD slot
- 1 x HDMI, 3840 x 2160@60Hz
  2 x USB Type-A, 1 x USB 2.0 OTG
  2 x RJ45, 2 x RS232/RS485, 4 x DI, 4 x DO, 1 x CAN, 1 x I²C, 6 x GPIO
- Ubuntu 18.04
- 160mm x 140mm x 50mm

IBOXNANO

Scan to view more

- NVIDIA Jetson Nano Quad-core A57 processor, up to 1.43GHz
- AI performance: 512 GFLOPS
- 4GB LPDDR4(Optional: 8GB); 16GB eMMC(Optional: 64GB/128GB); 1 x Micro SD slot
- 1 x HDMI, 3840 x 2160@60Hz
  1 x USB Type-A, 1 x USB 2.0 OTG
  1 x RJ45, 1 x RS232/RS485, 2 x DI, 2 x DO, 1 x CAN, 1 x I²C, 4 x GPIO
- Ubuntu 18.04
- 150mm x 135mm x 50mm

IBOX3588

Scan to view more

- Rockchip RK3588 Quad-core A76 + Quad-core A55 processor, up to 2.4GHz
- AI performance: 6 TOPS
- 8GB LPDDR4 (up to 32GB); 32GB eMMC(up to 128GB)
- 2 x RJ45; 4 x GPIO; 1 x HDMI 2.0b, 4K@60Hz
  3 x USB Type-A, 1 x USB Type-C(OTG supported)
  2 x RS232/RS485, 2 x CAN, 4 x GPIO
- Android 13, Debian, Ubuntu
- 190mm x 141mm x 45.9mm

MULTIMEDIA INDUSTRIAL COMPUTER

IBOX66

Scan to view more

- Rockchip RK3566, Quad-core ARM A55 processor
- 4GB LPDDR3(up to 8GB); 32GB eMMC(up to 128GB), 1 x Micro SD slot
- 1 x RJ45; 1 x MIPI CSI; 8 x GPIO
  1 x HDMI Type-A, 4K@60Hz; 1 x 4-lane eDP, 2560 x 1600@60Hz
  1 x 8-lane MIPI DSI(4 lanes multiplexed to LVDS); 5 x USB Type-A, 2 x RS232, 2 x RS232/RS485
- Android 11(GMS certified), Linux
- 195mm x 110mm x 30mm

IBOX88

Scan to view more

- Rockchip RK3288W, Quad-core ARM A17 processor
- 2GB LPDDR3(Optional: 4GB); 16GB eMMC(up to: 64GB), 1 x Micro SD slot
- 1 x RJ45; 1 x HDMI Type-A; 1 x MIPI CSI; 8 x GPIO
  1 x 4-lane eDP, 4K@30Hz; 1 x 8-lane LVDS, 1080P@60Hz
  6 x USB Type-A, 1 x USB Type-C, 4 x RS232, 2 x RS232/RS485
- Android 7/10, Linux
- 220mm x 145mm x 42mm

IBOX6425E

Scan to view more

- Intel Atom, , Quad-core Elkhart Lake x6425E(Optional: J6412) processor
- 4GB LPDDR4; 32GB eMMC; 1 x SATA3.0; 1 x M.2 B-Key
- 2 x RJ45; 1 x HDMI 2.0b, 4096 x 2160@60Hz; 1 x VGA(1920×1080@60Hz)
  2 x USB Type-A, 1 x USB Type-C; 2 x RS232/RS485/RS422
- Windows 10 IoT, Linux
- 196mm x 128mm x 38mm

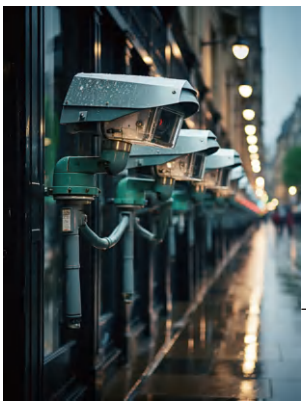
MBOX6211

Scan to view more

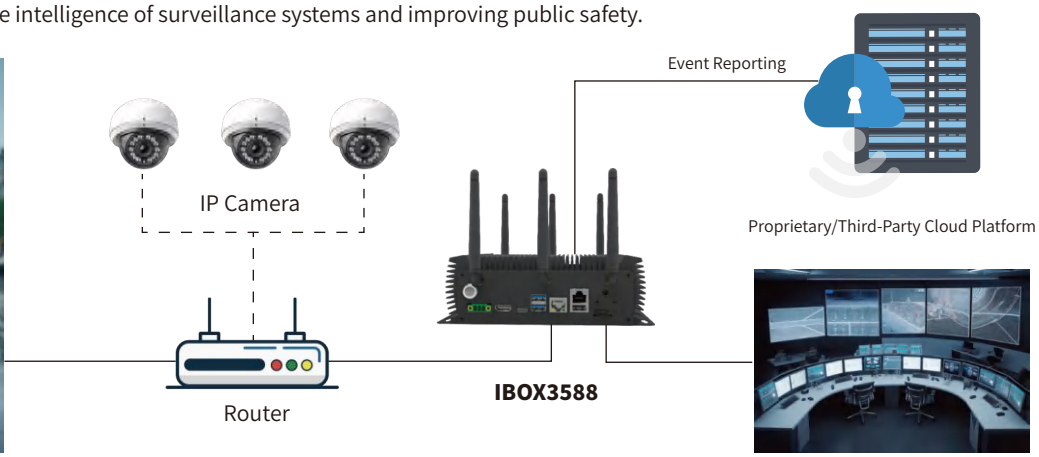
- Intel Celeron N6211 processor
- 4GB LPDDR4 (Optional: 8GB); 64GB eMMC 5.1
- 2 x RJ45; 10/100/1000Mbps；1 x HDMI
  2 x RS232; 2 x RS232/RS485/RS422
  2 x USB 2.0 Type-A; 1 x USB 3.0 Type-C; 1 x USB 3.0 Type-A；2 x CAN
- Windows 10 IoT
- 95mm x 95mm x 44mm

Surveillance System Empowered by IBOX3588

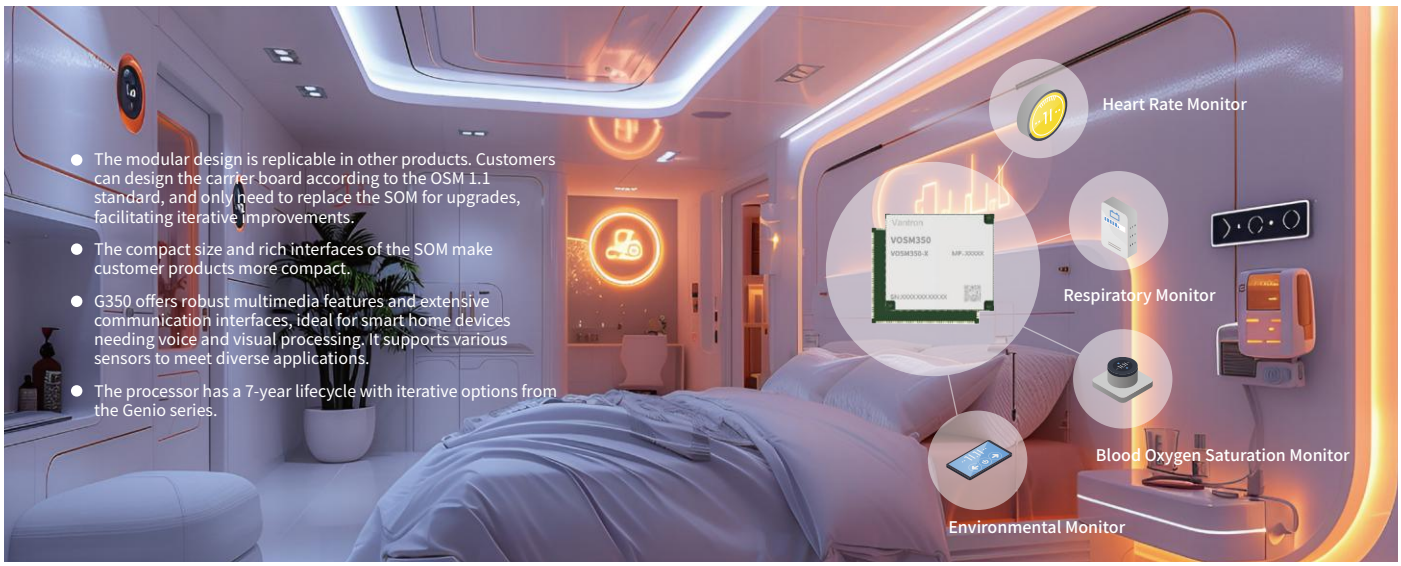
With up to 6 TOPS of NPU computing power and support for INT4, INT8, INT16, and FP16 precision formats, IBOX3588 is compatible with mainstream AI frameworks, such as TensorFlow, MXNet, PyTorch, and Caffe. This enables enhanced object recognition efficiency while maintaining smooth video streams at high frame rates. The device is applicable to detecting anomalous behaviors and suspicious objects, thereby enhancing the intelligence of surveillance systems and improving public safety.



IP Camera



Smart Bed Solution Based on VOSM350



2D Mobile Automated Guided Vehicle (AGV) Control Board

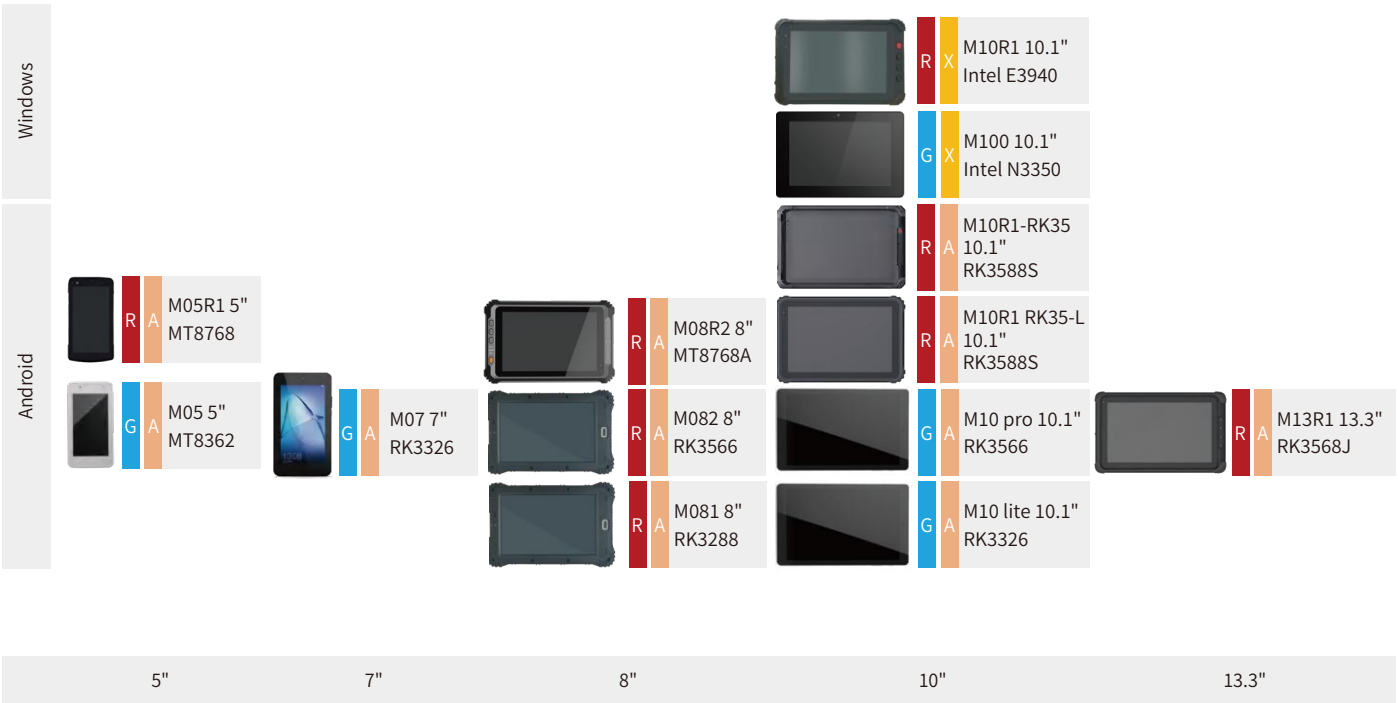
RK3588J-Based AGV/AMR Multi-I/O Controller

- Wi-Fi/BT, NFC and other RF capabilities
- Ethernet jack, serial port, CAN and other industrial interfaces
- 32 high-precision digital and analog I/Os
- Low-latency, low-jitter CAN and EtherCAT protocols supported for motion control
- Real-Time Operating System
- Codesys development environment, with support for Python, OpenVPN, JDK, and nodejs
- AMPSEAL automotive connectors
- Plastic + die-cast aluminum IP67 enclosure

Complete industrial design | High compatibility | Developer-friendly custom development | AI acceleration

INTELLIGENT DISPLAY

A ARM X X86 G General-purpose R Rugged



GENERAL-PURPOSE INDUSTRIAL TABLET

M05

5" General-purpose Industrial Tablet

Scan to view more

- MediaTek MT8362, Quad-core ARM A35, up to 1.5GHz
- 2GB RAM; 16GB Storage; 1 x Micro SD slot, up to 128GB
- 5" IPS TFT LCD; Resolution: 480 x 854; 3-point capacitive touchscreen
- Wi-Fi 802.11 a/b/g/n/ac + BT5.0
- Rear camera: 2MP, fixed focus
- 1 x USB 2.0 Type-C; 1 x 3.5mm combo audio jack
- 151.6 mm x 81.4mm x 11.5mm
- Android 10

M07

7" General-purpose Industrial Tablet

Scan to view more

- Rockchip RK3326, Quad-core ARM A35, up to 1.3GHz
- 2GB RAM; 16GB Storage; 1 x Micro SD slot, up to 128GB
- 7" IPS TFT LCD; Resolution: 1024 x 600; 5-point capacitive touchscreen
- Wi-Fi 802.11 a/b/g/n/ac + BT5.0
- Front/Rear camera: 2MP, fixed focus
- 1 x USB 2.0 Type-C; 1 x 3.5mm combo audio jack
- 202.7mm x 113.2mm x 13.5mm
- Android 10

M10 Lite & M10 Pro

10" General-purpose Industrial Tablet

Scan to view more

- Rockchip RK3326/Rockchip RK3566
- 2GB RAM;16GB Storage(expandable)
- 10.1" IPS TFT LCD; Resolution: 1280 x 800
- 5/10-point capacitive touchscreen
- Wi-Fi &Bluetooth supported
- Front/Rear camera (M10 Lite) : 2MP, fixed focus
  Front/Rear camera (M10 Pro) : 5MP, fixed focus + 8MP, auto focus
- 255 mm x 161.5mm x 13.2mm
- M10 Lite: Android 10; M10 Pro: Android 11 GMS certified

M100

10" General-purpose Industrial Tablet

Scan to view more

- Intel Atom Apollo Lake N3350, 2.4GHz / N3450, 2.2GHz
- 2GB LPDDR4 (Optional: 4GB); 32GB eMMC (Optional: 64GB)
- 10.1" IPS TFT LCD; Resolution: 1280 x 800; 1 x Micro HDMI
- 10-point capacitive touchscreen
- Wi-Fi & Bluetooth supported; 4G/NB-IoT
- 262mm x 184mm x 16mm
- Windows 10 / Linux

RUGGED INDUSTRIAL TABLET

M05R1

5" Rugged Industrial Tablet

Scan to view more

- MediaTek MT8768, Quad-core ARM CA53, 2.0 GHz + Quad-core ARM CA53, 1.5 GHz
- 4GB LPDDR4; 64GB eMMC V5.1
- 5" 18 : 9 IPS TFT LCD; Resolution: 720 x 1440; 5-point capacitive touchscreen
- Wi-Fi 802.11 a/b/g/n/ac + BT 5.0
- Front camera: 5MP, fixed focus; Rear camera: 13MP, auto focus
- 1 x USB 2.0 Type-C (OTG, audio, charging)
- 162.71mm x 79.68mm x 24.00mm
- Android 11

M081 & M082

8" Rugged Industrial Tablet

Scan to view more

- RK3288W, Quad-core ARM CA17/RK3566, Quad-core ARM CA55
- 2GB RAM (Optional: 4GB); 16 GB Storage(Optional: 32GB)
- 8" 16 : 10 IPS TFT LCD; Resolution: 1280 x 800; 5-point capacitive touchscreen
- Wi-Fi 802.11 a/b/g/n/ac + BT 5.0
- Front camera: 5MP, Fixed focus
- 1 x USB 2.0 Type-C; 1 x 3.5mm combo audio jack
- 235mm x 153mm x 21mm
- M081: Android 10; M082: Android 11

M08R2

8" Rugged Industrial Tablet

Scan to view more

- MediaTek MT8768A, Quad-core ARM CA53, 2.0 GHz + Quad-core ARM CA53, 1.5 GHz
- 4GB LPDDR4; 64GB eMMC V5.1 (Optional: 128GB)
- 8" 16 : 10 IPS TFT LCD; Resolution: 1280 x 800; 5-point capacitive touchscreen
- Wi-Fi 802.11 a/b/g/n/ac + BT 5.0
- Front camera: 5MP, fixed focus; Rear camera: 13MP, auto focus
- 1 x USB 2.0 Type-C; 1 x 3.5mm Combo audio jack
- 240.90mm x 153.48mm x 25.37mm
- Android 11

M10R1 & M10R1-RK35

10" Rugged Industrial Tablet

Scan to view more

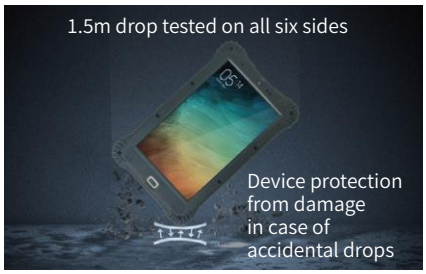
- Intel Atom, x5-E3940/Rockchip RK3588 4 x CA55 + 4 x CA76
- M10R1:8GBLPDDR4; 128GB eMMC; M10R1-RK35:4GB LPDDR4; 64GB eMMC
- 10" 16: 10 IPS TFT LCD; Resolution 1920 x 1200; 10-point capacitive touchscreen
- Wi-Fi 802.11 b/g/n/a/ac +BT 5.1; 4G LTE;
- Front camera: 2MP, fixed focus; Rear camera 8MP, auto focus
- 1 x USB Type-A 3.0; 1 x USB Type-C; Pogo pin 2 x 10; 1 x 3.5mm combo audio jack
- 294mm x 192mm x 30mm
- M10R1:Windows10 ITSC 2019, Linux; M10R1-RK35:Android 13, Linux Yocto + QT

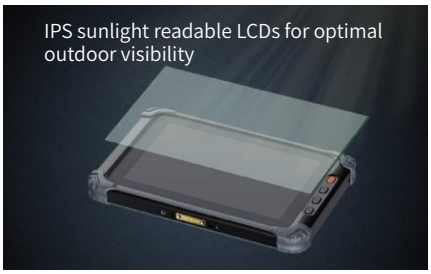
M13R1

13" Rugged Industrial Tablet

Scan to view more

- Rockchip RK3568J, Quad-core ARM Cortex-A55, 1.8GHz
- 4GB LPDDR4; 128GB eMMC, SATA SSD expansion supported
- 13" 16:9 IPS LCD; Resolution: 1920 x 1080; 10-point capacitive touchscreen
- Optional Wi-Fi 802.11 a/b/g/n/ac + BT 5.0
- Front camera: 8MP, auto focus
- 1 x CAN; 1 x RS422; 1 x USB3.0-A; 1 x USB2.0-C; Pogo pin 2 x 10
- 372.6 mm x 227mm x 29.1mm
- Debian 10/Android 11

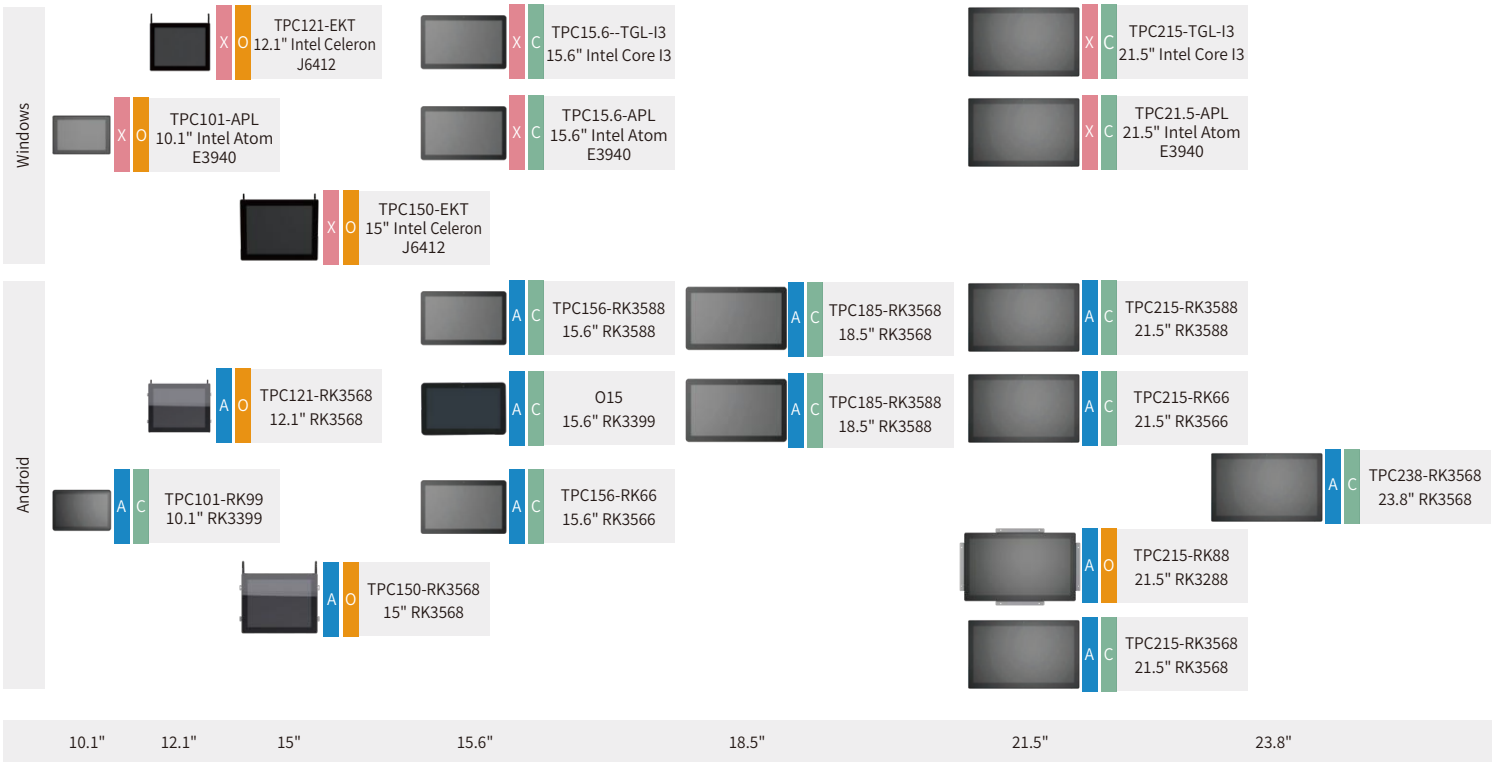




AIO PANEL PC

A ARM X X86 O Open-frame C Desktop/Wall-mountable

Scan to view more



TPC101-APL

- Intel Atom Quad-core APL E3940, up to1.8GHz
- 10.1" TFT LCD, 1280 x 800, 300nits, 10-point PCAP touchscreen
- VESA mounting; Side mounting
- Win 10 IoT or Linux

TPC101-RK99

- Rockchip RK3399, ARM Cortex-A53 + Cortex-A72, up to1.8GHz
- 10.1" TFT LCD, 1920 x1200, 300nits, 10-point PCAP touchscreen
- VESA mounting
- Android 10

TPC121-EKT

- Intel Atom x6425E processor (Optional: Intel Celeron J6412 processor)
- 12.1"TFT LCD, 1024 x 768, 300nits, 10-point PCAP touchscreen
- VESA mounting, Panel mounting
- Windows 10 IoT, Ubuntu 20.04

TPC121-RK3568

- Rockchip RK3568, Quad-coreARM Cortex-A55
- 12.1" TFT LCD, 1024 x 768, 300nits, 10-point PCAP touchscreen
- VESA mounting, Panel mounting
- Win 10 IoT or Linux

TPC150-EKT

- Intel Atom x6425E processor (Optional: Intel Celeron J6412 processor)
- 15" TFT LCD, 1024 x 768, 300nits, 10-point PCAP touchscreen
- VESA mounting, Panel mounting
- Android 10

TPC150-RK3568

- Rockchip RK3568, Quad-core ARM Cortex-A55
- 15" TFT LCD, 1024 x 768, 300nits, 10-point PCAP touchscreen
- VESA mounting, Panel mounting
- Win 10 IoT or Linux

TPC156-APL

- Intel Atom, APL-I E3940 Quad-core processor
- 15.6" TFT LCD, 1920 x 1080, 300nits, 10-point PCAP touchscreen
- VESA mounting; Side mounting
- Windows 10 IoT Optional：Linux

TPC156-TGL-I3

- Intel Core, 11th U -Serie i3-1115G4 processor (Optional: i5-1135G7/i7-1195G7 processor)
- 15.6" TFT LCD, 1920 x 1080, 300nits, 10-point PCAP touchscreen
- VESA mounting
- Windows 10 IoT Optional：Linux

TPC156-RK3588

- Rockchip RK3588, Quad-core Cortex A76 + Quad-core Cortex A55 processor
- 15.6" TFT LCD, 1920 x 1080, 300nits, 10-point PCAP touchscreen
- VESA mounting
- Android 12 +

TPC156-RK66
- Rockchip RK3566, Quad-core ARM Cortex-A55 processor
- 15.6" TFT LCD, 1920 x 1080, 300nits, 10-point PCAP touchscreen
- VESA mounting
- Android 11

O15
- Rockchip RK3399, Dual-core Cortex-A72 + Quad-core Cortex-A53
- 15.6" TFT LCD, 1920 x 1080, 250nits, 10-point PCAP touchscreen
- VESA mounting
- Android 10

TPC185-RK3568
- Rockchip RK3568, Quad-core Cortex-A55 processor
- 18.5" TFT LCD, 1920 x 1080, 300nits, 10-point PCAP touchscreen
- VESA mounting
- Android 11

TPC185-RK3588
- Rockchip RK3588, Quad-core Cortex-A76 + Quad-core Cortex-A55 processor
- 18.5" TFT LCD, 1920 x 1080, 300nits, 10-point PCAP touchscreen
- VESA mounting
- Android 12

TPC215-APL
- Intel Atom, APL-I E3940, Quad-core processor
- 21.5" TFT LCD, 1920 x 1080, 250nits, 10-point PCAP touchscreen
- VESA mounting
- Windows 10 IoT

TPC215-TGL-I3
- Intel Core, 11th U -Serie i3-1115G4 processor
- 21.5" TFT LCD, 1920 x 1080, 250nits, 10-point PCAP touchscreen
- VESA mounting
- Windows 10 IoT

TPC215-RK88
- Rockchip RK3288, Quad-core Cortex-A17 processor
- 21.5" TFT LCD, 1920 x 1080, 500nits, 10-point PCAP touchscreen
- VESA mounting; Side mounting
- Android 10

TPC215-RK66
- Rockchip RK3566, Quad-core Cortex-A55 processor
- 21.5" TFT LCD, 1920 x 1080, 250nits, 10-point PCAP touchscreen
- VESA mounting
- Android 11

TPC215-RK3588
- Rockchip RK3588, Quad-core Cortex A76 + Quad-core Cortex A55 processor
- 21.5" TFT LCD, 1920 x 1080, 250nits, 10-point PCAP touchscreen
- VESA mounting
- Android 12 +

TPC215-RK3568
- Rockchip RK3568, Quad-core Cortex A55 processor
- 21.5" TFT LCD, 1920 x 1080, 300nits, 10-point PCAP touchscreen
- VESA mounting
- Android 11

TPC238-RK3568
- Rockchip RK3568, Quad-core Cortex A55 processor
- 23.8" TFT LCD, 1920 x 1080, 300nits, 10-point PCAP touchscreen
- VESA mounting
- Android 11, Linux

Scan to view more

Application of an All-in-One Panel PC in Rehabilitation Equipment

- Rockchip RK3588 processor
- **IP54**-rated front panel
- **6 TOPS** computing power
- VESA installation
- Brightness up to **500 nits**
- Intelligent rehabilitation solution with immersive experience

Medical-grade structural design for extended use and frequent sterilization;
Integrated video conferencing and imaging features for telemedicine.

Outdoor Digital Signage

Vantron' s digital signage touchscreens seamlessly integrate human-computer interaction into any environment. Whether for shopping malls, brand promotion, business meetings, or conference whiteboards, these touchscreens offer unmatched versatility. Featuring a sleek, modern design and built for durability, they are ideal for demanding, complex, and high-use commercial settings.

Furthermore, by easily pairing with Vantron's industrial embedded computers or embedded boards, the touchscreens can be transformed into powerful all-in-one panel PC solutions. With large displays and cutting-edge 10-point PCAP touch technology, they provide users with an exceptional and intuitive interactive experience.

Flexible Collaborative Teach Pendant

As a critical human-machine interaction device, robotic teach pendants integral to robotic systems. This solution was custom-developed for a leading robotics technology company, specifically designed to facilitate seamless human-machine interaction and logical control of their collaborative robots. The embedded board is powered by a high-performance processor and integrates advanced human-machine interaction design principles. Equipped with serial and network ports, it ensures precise and responsive control of robotic arms, ultimately enhancing collaborative production efficiency.

VT-SBC-3399

Flexible cobot control system

- 4GB Memory + 64GB Storage
- 10.1-inch TFT LCD, up to 1920 x 1200 resolution
- 10-point PCAP touchscreen, glove compatible
- 14 physical buttons, 1 emergency stop button, 1 three-position enable button
- Linux operating system

PRODUCT FEATURES

- Ergonomic structure for smooth handling
- IP65 waterproof rating to resist harsh environments
- Ruggedized housing to withstand accidental drops
- High-precision multi-touch PCAP technology for an ultimate touch experience
- Integrated wiring harness with aviation connectors for easy setup
- Intuitive touchscreen integrated with physical buttons for reliable control

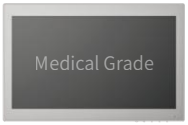
SOLUTION

TOUCHSCREEN MONITOR

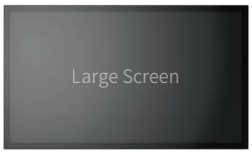
Scan to view more

o Open-frame C Desktop/Wall-mountable

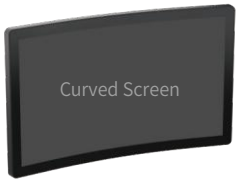
- O TMO101 10.1" 1280 x 800 350nits
- O TMO156 15.6" 1920 x 800 300nits
- O TMO185 18.5" 1366 x 768 250nits
- O TMO215 21.5" 1920 x 1080 250nits
- O TMO270 27" 1920 x 1080 300nits
- O TMO070 7" 1024 x 600 300nits
- O TMO133 13.3" 1920 x 1080 450nits
- O TMO170 17" 1280 x 1024 250nits
- O TMO190 19" 1280 x 1024 250nits
- O TMO238 23.8" 1920 x 800 250nits



- C TMC101 10.1" 1280 x 800 300nits
- C TMC156 15.6" 1920 x 1080 300nits
- C TMC215 21.5" 1920 x 1080 250nits
- C TMC270 27" 1920 x 1080 300nits
- C TMC070 7" 1024 x 600 300nits
- C TMC133 13.3" 1920 x 1080 450nits
- C TMC190 19" 1280 x 1024 250nits
- C TMC238 23.8" 1920 x 1080 300nits



- C TMC320 32" 1920 x 1080 500nits
- C TMC430 43" 1920 x 1080 500nits
- C TMC550 55" 3840 x 2160 500nits

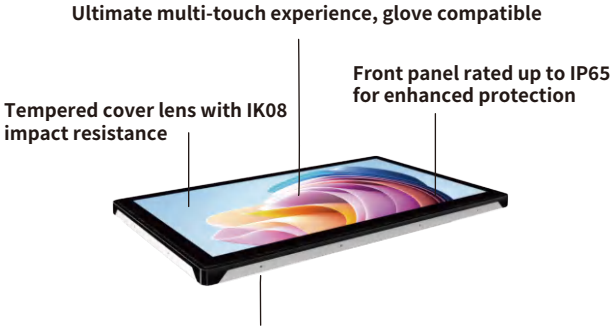


- C TMR320 32" 1500R 2560 x 1440 300nits

7" — 55"

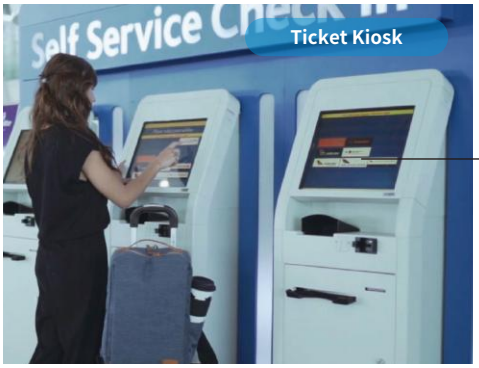
Open-Frame Touchscreen Monitor

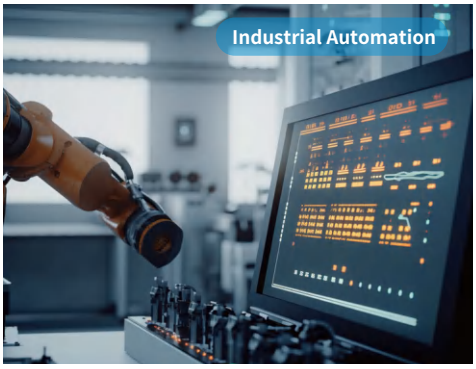
Vantron offers touchscreen monitors in multiple sizes, ranging from 7" to 27".

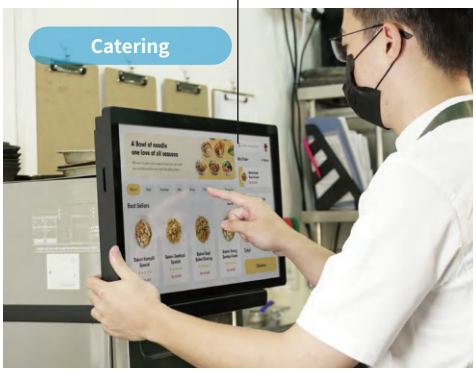


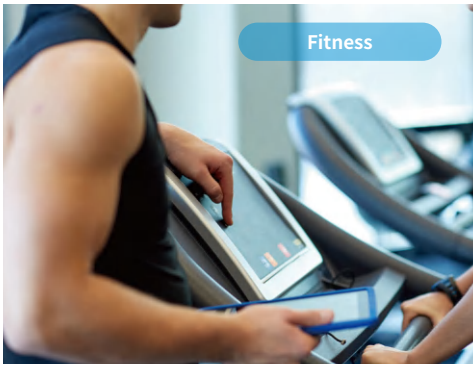
Model Name	TMO070	TMO101	TMO133	TMO156	TMO170
Diagonal Size	7" TFT LCD	10.1" TFT LCD	13.3" TFT LCD	15.6" TFT LCD	17" TFT LCD
Aspect Ratio	16:9	16:10	16:9	16:9	5:4
Resolution	1024 x 600	1280 x 800	1920 x 1080	1920 x 1080	1280 x 1024
Brightness	300nits	350nits	450nits	300nits	250nits
Contrast Ratio	800:1	800:1	1000:1	800:1	1000:1
Viewing Angle	V:140°/ H:150°	V:160°/ H:170°	V:178°/ H:178°	V:160°/ H:170°	V:160°/ H:170°

Model Name	TMO185	TMO190	TMO215	TMO238	TMO270
Diagonal Size	18.5" TFT LCD	19" TFT LCD	21.5" TFT LCD	23.8" TFT LCD	27" TFT LCD
Aspect Ratio	16:9	5:4	16:9	16:9	16:9
Resolution	1366 x 768	1280 x 1024	1920 x 1080	1920 x 1080	1920 x 1080
Brightness	250nits	250nits	250nits	250nits	300nits
Contrast Ratio	1000:1	1000:1	1000:1	3000:1	3000:1
Viewing Angle	V:160°/ H:170°	V:160°/ H:170°	V:178°/ H:178°	V:178°/ H:178°	V:178°/ H:178°









SOLUTION

Medical-Grade Touchscreen Monitor

- **IP54 rating**
Sealed against dirt, dust, and liquids, delivering a reliable, easy-to-sanitize solution.

- **IEC 60601**
IEC 60601-compliant power supply.

- **Touch**
10-point, tablet-like touch experience with support for wet and dry gloves.

- **VESA mounting**
Every monitor is designed with VESA holes to simplify mounting onto a variety of stands, arms, walls or medical carts.

- Vantron offers medical-grade touchscreen monitors in various sizes, ranging from 7” to 27”. Such monitors feature quick responsiveness, large visible areas, and viewing angles to optimize the display performance.
- The touchscreens are designed to be anti-fingerprint, and users can opt to equip the screens with anti-glare or anti-reflection coatings, enhancing visual experience and improving the accuracy of human-machine interaction.
- The OSD (On-Screen Display) controls allow users to adjust display settings more conveniently, further enhancing the overall user experience.

Model Name	TMC070	TMC101	TMC133	TMC156	TMC190
Diagonal Size	7" TFT LCD	10.1" TFT LCD	13.3" TFT LCD	15.6" TFT LCD	19" TFT LCD
Aspect Ratio	16:9	16:10	16:9	16:9	5:4
Resolution	1024 x 600	1280 x 800	1920 x 1080	1920 x 1080	1280 x 1024
Brightness	300nits	350nits	450nits	300nits	250nits
Contrast Ratio	800:1	800:1	1000:1	500:1	1000:1
Viewing Angle	V:140°/ H:150°	V:160°/ H:170°	V:160°/ H:160°	V:160°/ H:170°	V:160°/ H:170°

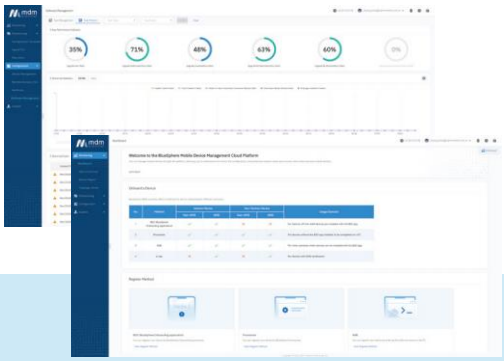
Model Name	TMC215	TMC238	TMC270	TMC270-UHD
Diagonal Size	21.5" TFT LCD	23.8" TFT LCD	27" TFT LCD	27" 4K TFT LCD
Aspect Ratio	16:9	16:9	16:9	16:9
Resolution	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
Brightness	250nits	300nits	300nits	1000nits
Contrast Ratio	1000:1	3000:1	3000:1	1000:1
Viewing Angle	V:178°/ H:178°	V:178°/ H:178°	V:178°/ H:178°	V:178°/ H:178°

Large-size Touchscreen Monitor

Model Name	TMR320(Curved screen)	TMC320	TMC430	TMC550(4K)
Diagonal Size	32" TFT LCD	32" TFT LCD	43" TFT LCD	55" TFT LCD
Aspect Ratio	16:9	16:9	16:9	16:9
Curvature	1500R	/	/	/
Resolution	2560 x 1440	1920 x 1080	1920 x 1080	3840 x 2160
Brightness	300nits	500nits	500nits	500nits
Contrast Ratio	3000:1	3000:1	3000:1	1200:1
Viewing Angle	V:178°/ H:178°	V:178°/ H:178°	V:178°/ H:178°	V:178°/ H:178°

Mobile Device Manager (MDM)

BlueSphere Mobile Device Manager (MDM) is a centralized management platform specifically designed for Android mobile devices. It streamlines Android device deployment and management, with a focus on enhancing productivity while ensuring data security.



Mobile Device Management Platform(MDM)

Software Lifecycle Management via OTA
Installation of applications, firmware, and system images across device groups

Remote View & Control (SyncBlue)
Remote access to devices anywhere with extremely low latency

Google Enterprise Management
Register GMS devices via enterprise mobility management (EMM) solution

Kiosk Mode
Devices lockdown to a single app or a specified set of apps, and Multi-screen Kiosk now available

Zero Touch
Batch enrollment for quick deployment, and allowing GMS and non-GMS devices to be unboxed immediately

Device Management
Device operation, information access, group commands

GeoFence
Lock devices for multi purposes

File Management
File transfer and storage with history traceable

Application Management
Self-hosted applications & managed Google Play*

Audit Log
Operation logs, security logs, MQTT logs and billing

CI/CD Delivery Enabled

Problem Detection → **Fault Analysis** → **Problem Isolation** → **Resolution & Improvement** → **Service Restoration**

Accelerated Software Deployment and Upgrade

- Continuous monitoring of user-centric indicators
- Automatic detection of changes before and after upgrades

Efficient Failure Identification and Analysis

- Extensive experience in failure analysis and troubleshooting
- AI-driven data capture, automated analysis and repair

Cost Efficiency

- Lowered operational costs
- Reduced time-related costs
- Minimized iteration costs

Kiosk | Digital Park | Multimedia Advertising | Smart Vehicle | Telemedicine | Automatic Cash Register | Digital Education | Digital Signage

BlueSphere MDM Features

01 Industry-Standard Applications
- KIOSK
- Embedded Google Enterprise Solution
- Reliable Scheduled OTA Updates
- WebApp

02 Cost-Efficient Remote Support Solution (SyncBlue)
- Seamless remote access to devices anywhere with minimal latency
- Online video recording with high quality& flexibility
- Inquiry-Based Start for Privacy Concerns or Mandatory Start
- Multi-Session support (under development)

03 Accelerated Deployment of New SW and Features
- Instant Usability with Multiple Registration Methods
- CI/CD support for flexible software lifecycle management

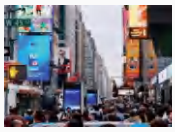
04 Flexible Service Delivery Options
- SaaS, or On-premise deployment (especially for data-sensitive enterprises)

BlueSphere MDM Efficiently Manage Android Devices


Public Safely


Smart Kitchen

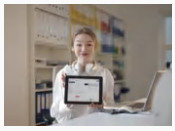

Intelligent Fitness

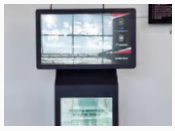

Adversing

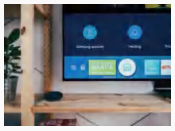

Smart Vehicle


Telemedicine


Smart Retail


Remote Education


Digital Signage


TV-Box

INDUSTRIAL COMMUNICATION DEVICE

Industrial IoT products

Industrial Router

Edge Computing Gateway

Industrial Switch

Industrial DTU

I/O Converter

LoRa Family

HaLow Family

Software Products

GWM BLUESPHERE

Remote management platform for IoT commutation devices

VantronOS

Operating system for IoT commutation devices

Vantron PLC Transceiver

Industrial data collection software

EDGE COMPUTING GATEWAY

G402

Scan to view more

Low-consumption Edge Computing Gateway

- AM6411
- 2 x RJ45, 10/100/1000Mbps
- 2 x RS232/485
- 4G LTE, CAT 4
- Wi-Fi2.4GHz& 5GHz, IEEE 802.11 b/g/n/ac & BT5.2
- VantronOS
- Modbus TCP, Modbus RTU, EtherNet/IP, ISO-on-TCP, CC-link.....

G405

Scan to view more

Low-consumption Edge Computing Gateway

- AM6421
- 5 x RJ45, 10/100/1000Mbps
- 1 x RS232, 1 x RS485, 2 x RS232/485
- 4G LTE, CAT 4
- Wi-Fi2.4GHz& 5GHz, IEEE 802.11 b/g/n/ac & BT5.2
- VantronOS
- Modbus TCP, Modbus RTU, EtherNet/IP, ISO-on-TCP, CC-link.....

G202

Scan to view more

Low-consumption Edge Computing Gateway

- MT7628
- CAT 1/4 Optional
- 2.4GHz, 802.11 b/g/n, 300M, AP & Client
- 2 x RJ45, 10/100Mbps
- 1 x RS485/RS232, 1 x RS485
- VantronOS
- Modbus TCP, Modbus RTU, EtherNet/IP, ISO-on-TCP, CC-link.....

C335 Series

Scan to view more

Low-consumption Edge Computing Gateway

- TI, AM335x, ARM Cortex-A8, 600MHz
- CAT 1/CAT 4 or Wi-Fi 802.11 a/b/g/n & BT 4.0
- 2 x RJ45, 10/100Mbps
- 3 x RS485 1 x RS232/RS485
- VantronOS
- Modbus TCP, Modbus RTU, EtherNet/IP, ISO-on-TCP, CC-link.....

G335

Scan to view more

Multi-RF Edge Computing Gateway

- TI, AM335x, ARM Cortex-A8, 32-Bit, 1GHz
- 2 x RJ45, 10/100/1000Mbps
- 1 x RS232, 1 x RS232/RS485, 1 x RS232/RS485/RS422
- 1 x PCIe slot for a 4G module，Optional: CAT 1 or CAT 4
- Wi-Fi 802.11 a/b/g/n/ac + BT5.0
- VantronOS
- Modbus TCP, Modbus RTU, EtherNet/IP, ISO-on-TCP, CC-link.....

INDUSTRIAL ROUTER & IO CONVERTER

R102

Scan to view more

Dual-Ethernet 4G Industrial Router

- 2 x RJ45, 10/100Mbps
- 2.4GHz, IEEE 802.11 b/g/n, 300M, AP & Client
- LTE CAT 1/ 4
- 1 x RS232/RS485
- Dual SIM failover, automatic switch
- VantronOS

R105

Scan to view more

High-performance Multi-port Industrial Router

- 5 x RJ45, 10/100/1000Mbps; 1 x WAN & 4 x LAN, VLAN support
- IEEE 802.11 a/b/g/n/ac, Optional: Wi-Fi 6
- LTE CAT 4
- 1 x RS232 & 1 x RS485, isolated
- Dual SIM failover, automatic switch
- VantronOS

VT-IO-DAM0444

Scan to view more

Industrial I/O Converter

- STM32
- 1 x RS485, Supports Modbus RTU
- 1 x RS232
- 4 x DI; 4 x DO; 4 x AI
- IP40
- 110mm x 80mm x 26mm

INDUSTRIAL SWITCH

S105

Scan to view more

5-Port Megabit Unmanaged Industrial Switch

- 5 x RJ45,10/100Mbps Base-T(X)
- IEEE802.3IEEE802.3uIEEE802.3x (flow control)
- DIN-rail mounting
- 12~48V DC
- 115mmx 87mmx 30mm

S108

Scan to view more

8-Port Gigabit Unmanaged Industrial Switch

- 8 X RJ45,10/100/1000Mbps Base-T(X)
- Operating: 1 x 1G, 1 x 2.5G
- DIN-rail mounting
- 12V~48V DC/16-30V AC, 1 x 4-pin x 5.0mm terminal block
- 170mm x 122mm x 50mm

S3016

Scan to view more

16-Port Gigabit Managed Industrial Switch

- MicrochipVSC7429&VSC8514
- 16 x RJ45,10/100/1000Mbps Base-T(X), automatic flow control, full/half duplex mode, MDI/MDI-X
- 1 x SFP, 1G Base-X; 1 x SFP, 1G/2.5G Base-X
- DIN-rail mounting
- 12V~48V DC/16~30V AC
- 165mm x 130mm x 68mm

INDUSTRIAL DTU

DE20-BT

Scan to view more

Industrial DTU

- 1 x RS232/485 for data communication
- 1 x RS232 for device configuration
- Wall mounting
- CAT 1
- 1 x SIM slot
- IP40

DP20

Scan to view more

Waterproof DTU

- 1 x RS232/RS485 for data communication
- 1 x RS232 for device configuration
- Pole mounting, Wall mounting
- CAT 1
- 1 x Built-in SIM slot
- IP66

LORA SERIES

GLR200/GLR200-R

Scan to view more

LoRaWAN Gateway

- GLR200/GLR200-R
- 915MHz
- MIPS24KEc, 580MHz
- 2 x RJ45, 100Mbps
- CAT 1
- LoRaWAN 1.0.3
- Wall mounting, DIN rail mounting
- IP30/IP66
- 150mm x 90mm x 29mm/ 184mm x 142mm x 72mm

VT-M2M-DTU-LoRa

Scan to view more

Industrial DTU-LoRa

- 915MHz
- 1 x RS232 for data communication
- 1 x RS485 for data communication
- LoRa, LoRaWAN/Private Protocols
- IP40
- 90mmx 73mmx 28mm
- Wall mounting

WI-FI HALOW PRODUCT

- Enhanced Range and Outdoor Coverage
- Scalable IP Connectivity
- Reinforced Wi-Fi Security Measures
- Reduced Power Consumption
- Expanded Data Bandwidth
- Wi-Fi Ecosystem

DELIVERING KEY BENEFITS FOR IOT CONNECTIVITY

10X Sub-1 GHz, Narrow Band

Data rates automatically scale based on range:
150 Kbps at the longest range
40+ Mbps at shorter ranges

Scan to view more

MOB-AH(-L)

MOB-AH-M2

SOM-AH

HAP101

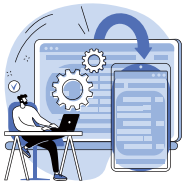
HAP103

HCAM26

Description	HaLow Module		HaLow Module in M.2 FF	HaLow Module with MCU	Entry-level HaLow Access Point	Multi-I/O HaLow Access Point	HaLow IP Camera
SoC	/		/	STM32 784KB SRAM 2MB Flash	MT7628 256M DDR 64MB Flash	MT7628 256M DDR 64MB Flash	RV1126
Wi-Fi HaLow chip	MM6108		MM6108	MM6108	MM6108	MM6108	MM6108
Form factor	Land Grid Array (LGA) Module		M.2 E-key 2230	Land Grid Array (LGA) Module	/	/	/
Antenna	U.FL	/	U.FL	U.FL	SMA	SMA	Internal or External
Dimensions	23 x 14mm	18.5 x 14mm	30 x 22mm	30 x 25mm	130 x 74 x 42mm	130 x 83 x 42mm	92 x 65 x 47mm
Working mode	AP/STA		AP/STA	STA	AP/STA	AP/STA	STA
Operating temp.	-40~85°C		-40~85°C	-40~85°C	-20~70°C	-20~70°C	-10~50°C

Communication Device Manager (GWM)

BlueSphere Gateway Manager (GWM) consists of a set of GUI-based applications designed to enable organizations to effortlessly provision, monitor, and manage IoT communication devices, including industrial gateways, routers, and edge devices.



Efficient device management

- Rich management features for application in multiple industries
- Remote control of scattered devices to save time and energy
- Multi-role permission control to enable safe and efficient collaboration of IT and OT personnel from anywhere

Real-time monitoring on a group basis

- Management of asset information, firmware, and device configurations on a group basis for streamlined device control
- Real-time tracking of device locations or assigning fixed locations to devices

Convenient maintenance of bulk devices

- Remote upgrade of firmware and device settings to improve device performance and enable mass deployment in a few steps

Enhanced data security

- Visualized display of data in graphs and figures to allow users to quickly access key device information and respond timely
- Multiple security control technologies including CA authentication, data encryption, user verification and access control to ensure data transmission in a highly secure network environment

Operating Systems and Protocols Supported

OPERATING SYSTEM: Yocto | Ubuntu | Debian | OpenWrt | ••••••

SOUTHBOUND PROTOCOL:

ISO on TCP	Modbus TCP/RTU	OPC UA	Mitsubishi Communication Protocol	MITSUBISHI-Q MC	EtherNet/IP
DLT645	Omron FINS	IEC101	IEC103	IEC104	IEC61850
Siemens PPI	CoAP	Profinet	BACNET	CC-Link	System Running Status
LWM2M	LS XGB (drv_lscnet_s)	HostLink	CDT91	DISA	DNP3

••••••

NORTHBOUND PROTOCOL:

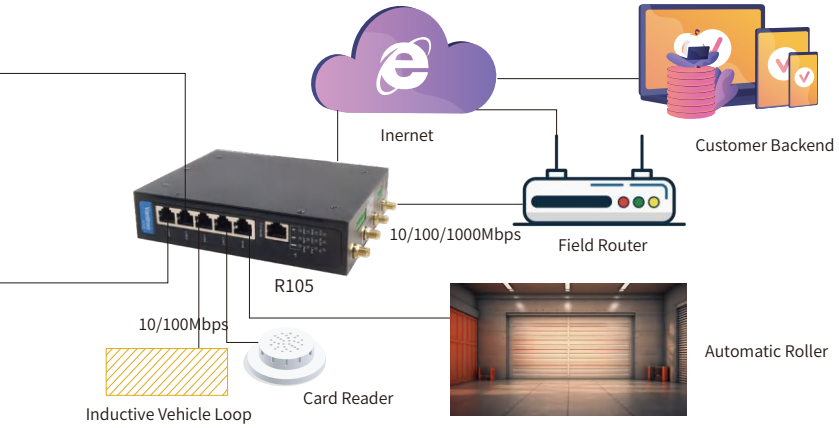
Category	Protocol
General cloud platform	MQTT / HTTP / COAP* / LwM2M
Private cloud platform	Bluespehere (MQTT + HTTPS) / Thingsboard
Database	MySQL 5.7/8.0 / OpenTSDB / InfluxDB2 / Redis/ IoTDB

Category	Protocol
Built-in service	HTTP Restful Server
Public cloud platform	Azure IoT Hub
Industry specific	HJ212

VantronOS

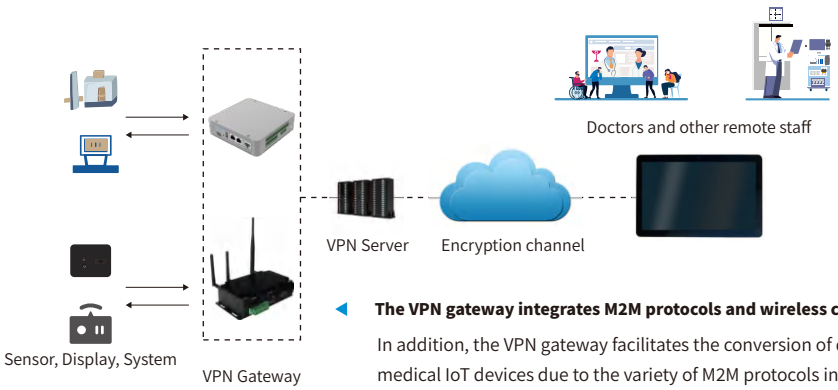
VantronOS is designed to meet the needs of modern industrial IoT. When paired with Vantron IoT gateways, it builds the technical base of Vantron IoT platform, offering an intelligent operating system with integrated software and hardware to support diversified IoT solutions.

Industrial Router for Smart Garage and Vehicle Access Control



- Multiple Ethernet ports for fast connections to various end devices
- Support for connection to HaLow devices to ensure long-range communication
- Integrated Wi-Fi for wireless connectivity
- Device and traffic management on the cloud platform
- Programable interface for integration with the customer's cloud backend
- Dual-SIM supported with hot-swapping capability for uninterrupted data transmission
- Multi-layer security system for data protection
- Advanced remote management via BlueSphere GWM for maintenance and upgrades

VPN Gateway for Medical Data Security



Medical data features large volumes and complex categories, making its privacy and security critically important. The VPN gateway is designed to connect a hospital' s private network or securely link to public cloud platforms through tunnel protocols such as PPTP, L2TP, GRE, and IPSec, ensuring the confidentiality and safety of the data.

The VPN gateway integrates M2M protocols and wireless connection technologies

In addition, the VPN gateway facilitates the conversion of diverse M2M protocols to address the challenges faced by medical IoT devices due to the variety of M2M protocols in use. Devices supporting different protocols, such as temperature sensors, monitoring device, and imaging systems, can seamlessly communicate with one another, enhancing overall operational efficiency.

HaLow Solution

CUSTOMER BACKGROUND

BASED IN THE US, THE COMPANY OFFERS DOOR OPENERS, REMOTES, AND OTHER SMART HOME DEVICES

CHALLENGE 1: Limited budget on the whole infrastructure

Solution: The entire home is within reach of one single Halow access point that extends to over 500m²

CHALLENGE 2: Conventional Wi-Fi does not work due to walls and obstacles

Solution: HaLow demonstrates excellent penetration performance through walls

CHALLENGE 3: Request for uncompromised transmission speed with multiple cameras

Solution: Even though HaLow is designed for low power applications, the single stream MCS data rate can achieve 86.7 Mbps@16MHz

CHALLENGE 4: Security is a must

Solution: The HaLow solution offers WPA3 and IPv6 support