



System Parameter

Processor	RK3568J Cortex-A55 Quad-Core
Number of cores	Quad-core
Clock speed	1.4 GHz, overclocked to 2.0 GHz
Neural Network	/
GPU	Mali-G52
Memory	4GB LPDDR4 / LPDDR4X
Storage	eMMC FLASH 32GB
4G	Supports 4G, Mini PCIe interface
WIFI	WIFI (IEEE 802.11 a/b/g/n/ac), BT4.2
Ethernet	RJ45*3, 10/100/1000Mbps*2, 10/100Mbps*1
USB	2x USB 3.0 Host Standard Type-A Sockets
HDMI output	/
Serial port	6 * Isolated RS485; Baud rate @ 9600 bps
Operating System	Linux, Ubuntu22.04
Power supply	DC 12~36V (3P-5.08 Phoenix Connector)
Max power consumption	≤ 12W

Environment

Operating Temperature	-20 ~ 70°C (-4 ~ 158°F)
Storage temperature	-30 ~ 80°C (-22 ~ 176°F)
Relative humidity	10 ~ 95% @ 40°C (non-condensing)
Waterproof	Front panel IP65 protection rating

Others

Working Hours	24/7
Warranty	1-year standard warranty
Certification	CE, FCC, CCC

10.1" Panel-mounted Industrial Panel PC

- High-performance, fanless RK3568J industrial ARM chip with an extended operating temperature range of -20 to 70°C
- 500-nit brightness industrial LCD screen, with optional outdoor 1000-nit brightness (with light sensor)
- 6 isolated RS-485 ports, 3 isolated CAN ports, 3 Ethernet ports, 12 isolated digital inputs, 4 digital outputs (expandable)
- Capacitive touchscreen with wide voltage design, supporting 12-36V wide voltage input
- Industry-leading ultra-narrow bezel design meets the demand for increasingly compact design concepts.
- Front 3mm physical tempered explosion-proof glass prevents accidental impact damage.
- Front-mounted design, side hook mounting holes, rear wall-mounting holes
- Aluminum alloy housing, front panel with IP65 protection rating

LCD display

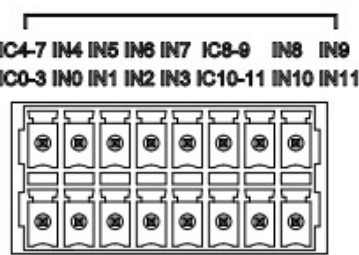
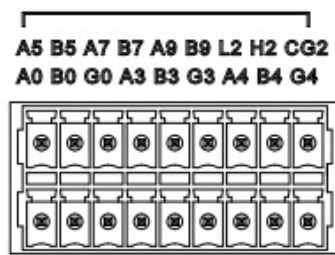
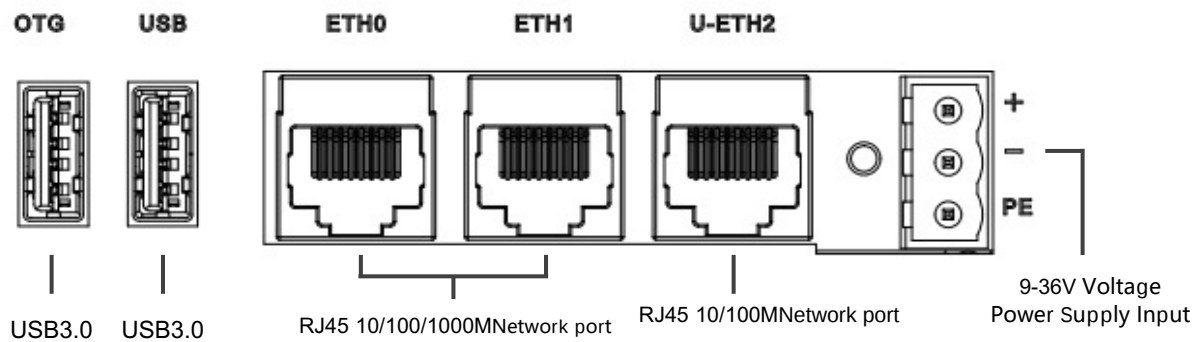
Screen size	10.1 inch
Backlight technology	LED
Visible area	217.6 x 136.2 mm
Optimal Resolution	1280 x 800 @60Hz
Aspect ratio	16 : 10 (standard)
View angle	170°H/V
Display Color	16.7M Colors
Response time	35 ms (GTG)
Brightness(cd/m²)	LCDPanel: 500 nits; Touch Pcap: 425 nits
Contrast	1300 : 1
Backlight lifespan	30,000 hrs

Touch

Touch technology	PCAP
Touch Points	10-point touch
Light transmittance	87% ± 3 %
Cover glass	3mm physically toughened glass (silk-screened), optional AG/AR surface treatment, Mohs hardness 7H
Waterproof	Supports touch operation in mist or light rain (optional)

Physical Properties

Housing Color	Industrial Gray
Dimensions	259.0 x 178.6 x 40.1 mm
Opening size	251.4 x 171.0 mm
Shipping Dimensions	340 x 290 x 160 mm
Net Weight	2.5 kg

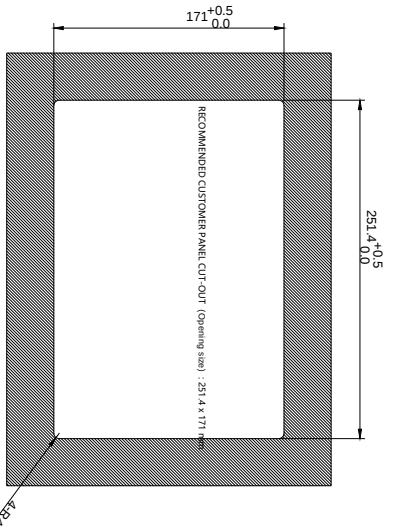


Definition	attribute	Description
A0	RS485 Signal A	ttyS0 group
B0	RS485 Signal B	ttyS0 group
G0	Quarantine Zone	Quarantine Zone 0
A3	RS485 Signal A	ttyS3 group
B3	RS485 Signal B	ttyS3 group
G3	Quarantine Zone	Quarantine Zone 3
A4	RS485 Signal A	ttyS4 group
B4	RS485 Signal B	ttyS4 group
G4	Quarantine Zone	Quarantine Zone 4
A5	RS485 Signal A	ttyS5 group
B5	RS485 Signal B	ttyS5 group
A7	RS485 Signal A	ttyS7 group
B7	RS485 Signal B	ttyS7 group
A9	RS485 Signal A	ttyS9 group
B9	RS485 Signal B	ttyS9 group
L2	CAN-L Signal	CAN2 group
H2	CAN-H Signal	CAN2 group
CG2	Quarantine Zone	CAN2 group Quarantine Zone

Definition	attribute	Description
L0	CAN-L Signal	CAN0 group
H0	CAN-H Signal	CAN0 group
CG0	Quarantine Zone	CAN0 group Quarantine Zone
L1	CAN-L Signal	CAN1 group
H1	CAN-H Signal	CAN1 group
CG3	Quarantine Zone	CAN1 group Quarantine Zone

Definition	attribute	Description
IC0-3	DI Public Port	DI0-3 common terminal grounded DI high active, connect to power supply DI low active
IN0	DI Signal	IN0 Input
IN1	DI Signal	IN1 Input
IN2	DI Signal	IN2 Input
IN3	DI Signal	IN3 Input
IC10-11	DI Public Port	DI10-11 common terminal grounded DI high active, connect to power supply DI low active
IN10	DI Signal	IN10 Input
IN11	DI Signal	IN11 Input
IC4-7	DI Public Port	DI4-7 common terminal grounded DI high active, connect to power supply DI low active
IN4	DI Signal	IN0 Input
IN5	DI Signal	IN1 Input
IN6	DI Signal	IN2 Input
IN7	DI Signal	IN3 Input
IC8-9	DI Public Port	DI8-9 common terminal grounded DI high active, connect to power supply DI low active
IN8	DI Signal	IN8 Input
IN9	DI Signal	IN9 Input

Definition	attribute	Description
C0	Relay COM end	Relay 0
NO0	Electrical NO end	
C1	Relay COM end	Relay 1
NO1	Electrical NO end	
C2	Relay COM end	Relay 2
NO2	Electrical NO end	
C3	Relay COM end	Relay 3
NO3	Electrical NO end	

[illegible]