

2nd Gen A Embedded ARM All-in-One Panel PC

The industrial motherboard is independently researched and developed, and a variety of configuration schemes meet different application needs. The 3MM ultra-thin front frame seamlessly fits all kinds of cabinet equipment. It has an all aluminum alloy structure, fan free and totally enclosed design, and multiple sizes of 10.1"~23.8" are available for selection. The front panel is made of pure flat wire drawing process, which is dustproof and waterproof. The whole machine has low power consumption, good scalability, practicability, EMC compatibility and other performances.

Features >>

- The front frame is only 3mm thick, specially designed for embedded installation applications.
- High precision die-casting aluminum molding, pure plane wire drawing process design, dustproof and waterproof.
- Independent research and development of ARM architecture industrial motherboard, with a variety of options.
- Conform to EMC anti electromagnetic interference standard.
- Industrial protection, applicable to various harsh environments.
- SDK package is provided to support secondary development and upgrade customization.



10.1"~23.8" optional

Product Model >>

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	TPC101-A200	TPC101-A210	TPC101-A220	1280*800	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (10.1-12.1 inch small back cover)
10.4"	TPC104-A200	TPC104-A210	TPC104-A220	1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-A200	TPC116-A210	TPC116-A220	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-A200	TPC120-A210	TPC120-A220	1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12.1"	TPC121-A200	TPC121-A210	TPC121-A220	1280*800	16:10	300cd/m ²	350:1	65/65/50/65 (L/R/U/D)	
13.3"	TPC133-A200	TPC133-A210	TPC133-A220	1920*1080	16:9	220cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (13.3-23.8 inch large back cover)
15.6"	TPC156-A200	TPC156-A210	TPC156-A220	1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
15"	TPC150-A200	TPC150-A210	TPC150-A220	1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
17"	TPC170-A200	TPC170-A210	TPC170-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-A200	TPC173-A210	TPC173-A220	1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
18.5"	TPC185-A200	TPC185-A210	TPC185-A220	1920*1080	16:9	400cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
19"	TPC190-A200	TPC190-A210	TPC190-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-A200	TPC191-A210	TPC191-A220	1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	TPC215-A200	TPC215-A210	TPC215-A220	1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
23.8"	TPC238-A200	TPC238-A210	TPC238-A220	1920*1080	16:9	250cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation >>



Embedded installation	Embedded installation	Wall mounted installation	Desktop installation	Louver installation	Cantilever installation	Boom type installation
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Product Specifications >>

Hardware Configuration

CPU	RK3288, Cortex-A17 Quad Core, 1.8GHz
GPU	Mali-T764
RAM	2G DDR3 (Optional 4G/8G)
Storage	16G eMMC (Optional 32G/64G)
System	Android 7.1/10.0/12, Linux4.4, Ubuntu18.04/20.04, Debian10.0
3G/4G module	PCI-E standard interface, supporting China Mobile, China Unicom and China Telecom (optional)
WIFI	2.4GHz
Bluetooth	BT4.2

Touch parameters

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: $\geq 92\%$

Reliability parameters

working temperature	Operating temperature: -10°C – 60°C , storage temperature: -20°C – 70°C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters

Power input	12V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	Three years (one year free warranty)
Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

I/O Interface

Power interface	1*DC 2.1, supporting 12V power input
USB	1*USB HOST, 1*USB OTG
TF	Support TF expansion card (1*TF card slot)
SIM	1*SIM, SIM card: standard interface, supporting various formats (depending on 3G/4G module)
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
LAN	1*LAN, 10M/100M/1000M adaptive Ethernet
AUDIO	1*Audio I/O, Support audio input and output, Headphone: 3.5mm standard interface
UBOOT	Support (1*UBOOT)
COM	2*COM (Default RS232)
Wifi antenna	1*Wifi antenna
Grounding column	Support (1*GND)

Interface Distribution >>



Only the 15 inch 3288-I motherboard interface is displayed. Please refer to the actual object for details.

2nd Gen A Embedded ARM All-in-One Panel PC

Independent research and development of industrial motherboards, multiple configuration schemes to meet different application needs, 3MM ultra-thin front frame, seamless fitting of various cabinet equipment, all aluminum alloy structure, fan free totally enclosed design, with 10.1"~23.8" multiple sizes to choose from. The front panel is made of pure flat wire drawing process, which is dustproof and waterproof. The whole machine has low power consumption, good scalability, practicability, EMC compatibility and other performances.

Features >>

- The front frame is only 3mm thick, specially designed for embedded installation applications.
- High precision die-casting aluminum molding, pure plane wire drawing process design, dustproof and waterproof.
- Independent research and development of ARM architecture industrial motherboard, with a variety of options.
- Conform to EMC anti electromagnetic interference standard.
- Industrial protection, applicable to various harsh environments.
- SDK package is provided to support secondary development and upgrade customization.



10.1"~23.8" optional

Product Model >>

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	TPC101-A200	TPC101-A210	TPC101-A220	1280*800	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (10.1-12.1 inch small back cover)
10.4"	TPC104-A200	TPC104-A210	TPC104-A220	1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-A200	TPC116-A210	TPC116-A220	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-A200	TPC120-A210	TPC120-A220	1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12.1"	TPC121-A200	TPC121-A210	TPC121-A220	1280*800	16:10	300cd/m ²	350:1	65/65/50/65 (L/R/U/D)	
13.3"	TPC133-A200	TPC133-A210	TPC133-A220	1920*1080	16:9	220cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (13.3-23.8 inch large back cover)
15.6"	TPC156-A200	TPC156-A210	TPC156-A220	1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
15"	TPC150-A200	TPC150-A210	TPC150-A220	1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
17"	TPC170-A200	TPC170-A210	TPC170-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-A200	TPC173-A210	TPC173-A220	1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
18.5"	TPC185-A200	TPC185-A210	TPC185-A220	1920*1080	16:9	400cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
19"	TPC190-A200	TPC190-A210	TPC190-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-A200	TPC191-A210	TPC191-A220	1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	TPC215-A200	TPC215-A210	TPC215-A220	1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
23.8"	TPC238-A200	TPC238-A210	TPC238-A220	1920*1080	16:9	250cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation >>



Embedded installation Embedded installation Wall mounted installation Desktop installation Louver installation Cantilever installation Boom type installation

Product Specifications >>

Hardware Configuration

CPU	RK3399, Dual-core Cortex-A72 up to 1.8GHz, Quad-core Cortex-A53 up to 1.4GHz
GPU	Mali-T860 GPU
RAM	4G DDR3 (Optional 8G)
Storage	32G eMMC (Optional 64G)
System	Android 7.1/9.0/11, Ubuntu18.04/Debian10.0/Linux4.4+QT
Ethernet	10M/100M/1000M
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT5.0

Touch parameters

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: $\geq 92\%$

Reliability parameters

working temperature	Operating temperature: -10°C ~ 60°C , storage temperature: -20°C ~ 70°C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters

Power input	12-36V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	Three years (one year free warranty)
Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

I/O Interface

Power interface	1*DC2.1, Support 12V-36V wide voltage power supply
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
USB	1*USB HOST, 1*USB OTG
Internet port	1*LAN, 10M/100M/1000M adaptive Ethernet
TF	1*TF data storage, maximum support 32G
AUDIO	1*Audio I/O, supporting audio input and output, headphone stand: 3.5mm standard interface
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
COM	2*COM (RS232 by default, RS485/RS422 optional)
UBOOT	Support (1*UBOOT)
WIFI antenna	1*WIFI antenna
Grounding column	Support (1*GND)

Interface Distribution >>



Only the 15 inch interface is displayed. Please refer to the actual object for details.

2nd Gen A Embedded ARM All-in-One Panel PC

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Features >>

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- High precision aluminum alloy fuselage.
- Independent research and development of ARM architecture industrial motherboard, with a variety of options.
- RK3568 quad core 64 bit 2.0GHz CPU, more powerful AI computing power.
- EMC anti-interference standard.
- Industrial-grade protection, adapt to a variety of harsh environments.
- Super network communication capability, faster and more stable data transmission. support Android system customization, can provide API Reference code.



ISO FC CE CCC RoHS 40

10.1"~23.8" optional

Product Model >>

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	TPC101-A200	TPC101-A210	TPC101-A220	1280*800	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
10.4"	TPC104-A200	TPC104-A210	TPC104-A220	1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-A200	TPC116-A210	TPC116-A220	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-A200	TPC120-A210	TPC120-A220	1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12.1"	TPC121-A200	TPC121-A210	TPC121-A220	1280*800	16:10	300cd/m ²	350:1	65/65/50/65 (L/R/U/D)	(10.1-12.1 inch small back cover)
13.3"	TPC133-A200	TPC133-A210	TPC133-A220	1920*1080	16:9	220cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
15.6"	TPC156-A200	TPC156-A210	TPC156-A220	1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
15"	TPC150-A200	TPC150-A210	TPC150-A220	1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
17"	TPC170-A200	TPC170-A210	TPC170-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-A200	TPC173-A210	TPC173-A220	1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
18.5"	TPC185-A200	TPC185-A210	TPC185-A220	1920*1080	16:9	400cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
19"	TPC190-A200	TPC190-A210	TPC190-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-A200	TPC191-A210	TPC191-A220	1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	TPC215-A200	TPC215-A210	TPC215-A220	1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
23.8"	TPC238-A200	TPC238-A210	TPC238-A220	1920*1080	16:9	250cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation >>



Embedded installation Embedded installation Wall mounted installation Desktop installation Louver installation Cantilever installation Boom type installation

Product Specifications >>

Hardware Configuration

CPU	RK3568 quad core 64 bit Cortex-A55 core architecture, with a main frequency of up to 2.0GHz
GPU	ARM Mali-G52 2EE
RAM	2G LPDDR4 (optional 4G/8G)
Storage	32G eMMC (optional 64G/128G)
System	Android 12.0, Linux5.10, Ubuntu/Debian
4G	4G module interface with built-in MINIPICIE
Network support	4G, Ethernet, support for WiFi/Bluetooth, wireless peripheral expansion

Touch parameters

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: $\geq 92\%$

Reliability parameters

working temperature	Operating temperature: $-10^{\circ}\text{C}\sim 60^{\circ}\text{C}$, storage temperature: $-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters

Power input	12-36V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	Three years (one year free warranty)
Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

I/O Interface

Power interface 1	1*DC 2.1, Support 12V-36V wide voltage power supply
Power interface 2	1*Industrial terminal (12-36V GND TX1 RX1 GND CANH CANL I02 I01 I00 485B 485A)
HDMI	1*HDMI output, supporting up to 4K
USB	2*USB 3.0
LAN	1*1000M adaptive Ethernet
TF	1*TF data storage, maximum support 32G
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
AUDIO	1*Audio I/O, Support audio input and output,Headphone: 3.5mm standard interface
UBOOT	Support (1*UBOOT)
COM	1*COM(The default is RS232, optional RS485/RS422)
Wifi antenna	1*Wifi antenna
Grounding column	Support (1*GND)

Interface Distribution >>



Only the 15 inch RK3568 motherboard interface is displayed. Please refer to the actual object for details.

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Features >>

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- High precision aluminum alloy fuselage.
- Independent research and development of ARM architecture industrial motherboard, with a variety of options.
- RK3588 Eight-core 64 bit 2.4GHz CPU, more powerful AI computing power.
- EMC anti-interference standard.
- Industrial-grade protection, adapt to a variety of harsh environments.
- Super network communication capability, faster and more stable data transmission. support Android system customization, can provide API Reference code.



ISO FC CE CCC RoHS 40 X

10.1"~23.8" optional

Product Model >>

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	TPC101-A200	TPC101-A210	TPC101-A220	1280*800	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (10.1-12.1 inch small back cover)
10.4"	TPC104-A200	TPC104-A210	TPC104-A220	1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-A200	TPC116-A210	TPC116-A220	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-A200	TPC120-A210	TPC120-A220	1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12.1"	TPC121-A200	TPC121-A210	TPC121-A220	1280*800	16:10	300cd/m ²	350:1	65/65/50/65 (L/R/U/D)	
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17"	TPC170-A200	TPC170-A210	TPC170-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
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Product Installation >>



Embedded installation Embedded installation Wall mounted installation Desktop installation Louver installation Cantilever installation Boom type installation

Product Specifications >>

Hardware Configuration

CPU	RK3588, Eight core 64 bit core architecture, 4*Cortex-A76+4*Cortex-A55
GPU	ARM Mali-G610 MC4
RAM	8G DDR3 (Optional 16G/32G)
Storage	64G eMMC (Optional 128G)
System	Android 12.0, Ubuntu/Debian/Linux
Ethernet	1000M adaptive Ethernet
4G/5G	Mini Pcie 4G module interface, M.2 5G module interface
Network support	4G, Ethernet, support for WiFi/Bluetooth, wireless peripheral expansion

Touch parameters

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: $\geq 92\%$

Reliability parameters

working temperature	Operating temperature: - 10 ° C~60 ° C, storage temperature: - 20 ° C~70 ° C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters

Power input	12-36V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	Three years (one year free warranty)
Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

I/O Interface

Power interface 1	1*DC 2.1, Support 12V-36V wide voltage power supply
Power interface 2	1*Industrial terminal (12-36V GND TX1 RX1 GND CANH CANL I02 I01 I00 485B 485A)
HDMI	1*HDMI OUT, 1*HDMI IN, maximum support 4k
USB	4*USB 3.0
LAN	2*1000M adaptive Ethernet
TF	1*TF data storage, maximum support 32G
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
AUDIO	1*Audio I/O, Support audio input and output,Headphone: 3.5mm standard interface
UBOOT	Support (1*UBOOT)
COM	1*COM(The default is RS232, optional RS485/RS422)
Wifi antenna	1*Wifi antenna
Grounding column	Support (1*GND)

Interface Distribution >>



Only the 15 inch RK3588 motherboard interface is displayed. Please refer to the actual object for details.

2nd Gen A Embedded ARM All-in-One Panel PC

The industrial motherboard is independently researched and developed, and a variety of configuration schemes meet different application needs. The 3MM ultra-thin front frame seamlessly fits all kinds of cabinet equipment. It has an all aluminum alloy structure, fan free and totally enclosed design, and multiple sizes of 10.1"~23.8" are available for selection. The front panel is made of pure flat wire drawing process, which is dustproof and waterproof. The whole machine has low power consumption, good scalability, practicability, EMC compatibility and other performances.

Features »

- The front frame is only 3mm thick, specially designed for embedded installation applications.
- High precision die-casting aluminum molding, pure plane wire drawing process design, dustproof and waterproof.
- Independent research and development of ARM architecture industrial motherboard, with a variety of options.
- Conform to EMC anti electromagnetic interference standard.
- Industrial protection, applicable to various harsh environments.
- SDK package is provided to support secondary development and upgrade customization.



ISO FC CE RoHS

10.1"~23.8" optional

Product Model »

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	TPC101-A200	TPC101-A210	TPC101-A220	1280*800	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (10.1-12.1 inch small back cover)
10.4"	TPC104-A200	TPC104-A210	TPC104-A220	1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-A200	TPC116-A210	TPC116-A220	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-A200	TPC120-A210	TPC120-A220	1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12.1"	TPC121-A200	TPC121-A210	TPC121-A220	1280*800	16:10	300cd/m ²	350:1	65/65/50/65 (L/R/U/D)	
13.3"	TPC133-A200	TPC133-A210	TPC133-A220	1920*1080	16:9	220cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (13.3-23.8 inch large back cover)
15.6"	TPC156-A200	TPC156-A210	TPC156-A220	1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
15"	TPC150-A200	TPC150-A210	TPC150-A220	1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
17"	TPC170-A200	TPC170-A210	TPC170-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-A200	TPC173-A210	TPC173-A220	1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
18.5"	TPC185-A200	TPC185-A210	TPC185-A220	1920*1080	16:9	400cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
19"	TPC190-A200	TPC190-A210	TPC190-A220	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-A200	TPC191-A210	TPC191-A220	1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	TPC215-A200	TPC215-A210	TPC215-A220	1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
23.8"	TPC238-A200	TPC238-A210	TPC238-A220	1920*1080	16:9	250cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation »



Embedded installation Embedded installation Wall mounted installation Desktop installation Louver installation Cantilever installation Boom type installation

Product Specifications >>

Hardware Configuration

CPU	A64 Cortex-A53 quad-core, 1.5GHz;
GPU	Mali-400MP2
RAM	2G DDR3 (Optional 4G/8G)
Storage	8G eMMC (Optional 16G/32G/64G)
System	Android6.0
Ethernet	10M/100M/1000M
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT5.0

Touch Screen

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: $\geq 92\%$

Reliability parameters

working temperature	Operating temperature: -10°C ~ 60°C , storage temperature: -20°C ~ 70°C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters

Power input	12V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	Three years (one year free warranty)
Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

I/O Interface

Power interface	1*DC 2.1, supporting 12V power input
USB	1*USB HOST, 1*USB OTG
TF	1*TF
SIM	1*SIM, SIM card: standard interface, supporting various formats (depending on 3G/4G module)
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
OTG	1*OTG
LAN	1*LAN, 10M/100M/1000M adaptive Ethernet
AUDIO	1*Audio I/O, Support audio input and output, Headphone: 3.5mm standard interface
UBOOT	Support(1*UBOOT)
COM	2*COM(The default is RS232, and the optional RS485/RS422)
Wifi antenna	1*Wifi antenna
Grounding column	Support(1*GND)

Interface Distribution >>



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