5th Gen A Ruggedized X86 All-in-One Panel PC

With 10.1 " - 21.5 " dimensions to choose from, the body is made of aluminum alloy, with a strong structural layout, a totally enclosed fan free design, and a compact overall shape, which is specially designed for a variety of complex environments and can ensure long-term stable operation in harsh environments; The whole machine has low power consumption, good scalability, practicability, EMC compatibility and other performance, and is widely used in industrial control, military, communication, power and network automation fields.

Features »

* Narrow frame design, independent mold opening.
* Aluminum alloy one-piece die casting, efficient heat dissipation.
* Self developed X86 architecture industrial motherboard, Intel Celeron J1900 quad core processor.
* Process structure design of anti vibration radiation layout.
* Seismic stability, safety and reliability, industrial quality.
* It is suitable for dust, oil, water mist, strong electromagnetic, high-frequency vibration and other complex heavy industrial environments.

| Intel J1900 | ESD:±4KV~±8KV | EMI/EMC | IP65 waterproof | -10°C-60°C | 7*24H operation |

ISO FC CE CCC RoHS

10.1"~21.5" 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-W500	TPC101-W510	TPC101-W520	1280*800	16:10	300cd/m²	1000:1	85/85/85/85 (L/R/U/D)	
10.4″	TPC104-W500	TPC104-W510	TPC104-W520	1024*768	4:3	400cd/m²	1000:1	80/80/80/80 (L/R/U/D)	
11.6″	TPC116-W500	TPC116-W510	TPC116-W520	1920*1080	16:9	300cd/m²	1000:1	85/85/85/85 (L/R/U/D)	
12″	TPC120-W500	TPC120-W510	TPC120-W520	1024*768	4:3	500cd/m²	1000:1	85/85/85/85 (L/R/U/D)	(10.1-12 inch small back cover)
15″	TPC150-W500	TPC150-W510	TPC150-W520	1024*768	4:3	300cd/m²	1000:1	89/89/89/89 (L/R/U/D)	
15.6″	TPC156-W500	TPC156-W510	TPC156-W520	1920*1080	16:9	300cd/m²	800:1	85/85/85/85 (L/R/U/D)	
17″	TPC170-W500	TPC170-W510	TPC170-W520	1280*1024	5:4	300cd/m²	1000:1	85/85/80/70 (L/R/U/D)	
17.3″	TPC173-W500	TPC173-W510	TPC173-W520	1920*1080	16:9	300cd/m²	600:1	80/80/60/80 (L/R/U/D)	
19″	TPC190-W500	TPC190-W510	TPC190-W520	1280*1024	5:4	300cd/m²	1000:1	85/85/80/80 (L/R/U/D)	
19.1″	TPC191-W500	TPC191-W510	TPC191-W520	1440*900	16:10	300cd/m²	1000:1	80/80/80/80 (L/R/U/D)	(15-21.5 inch large back cover)
21.5″	TPC215-W500	TPC215-W510	TPC215-W520	1920*1080	16:9	300cd/m²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation »

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

Product Specifications »

Hardware Configuration

CPU	Intel Celeron J1900 quad core 1.99GHz
Integrated graphics	Intel HD Graphics
RAM	4G DDR3 1333MHz (Optional 8G)
Storage	64GB SSD (128GB/256GB/512GB SSD,1T/2T HDD optional)
System	Win7/10,Ubuntu/Centos/Redhat/Debian/Linux
Video Card	Integrated HD Graphic display core
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT4.0(Optional)

Touch Screen

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: ≥ 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-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 interface1	1*Industrial terminal, Support 12V-36V wide voltage power supply
Power interface2	1*DC2.5, Support 12V-36V wide voltage power supply
USB	2*USB 3.0, 2*USB 2.0
LAN	1*LAN, 10M/100M/1000M adaptive Ethernet
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
VGA	1*VGA
AUDIO	1*Audio Out, Support audio output, Headphone stand: 3.5mm standard interface
POWER	1*POWER
Grounding column	Support(1*GND)

Interface Distribution »

Only the 15 inch J1900 motherboard interface is displayed. Please refer to the actual object for details.