

UFA

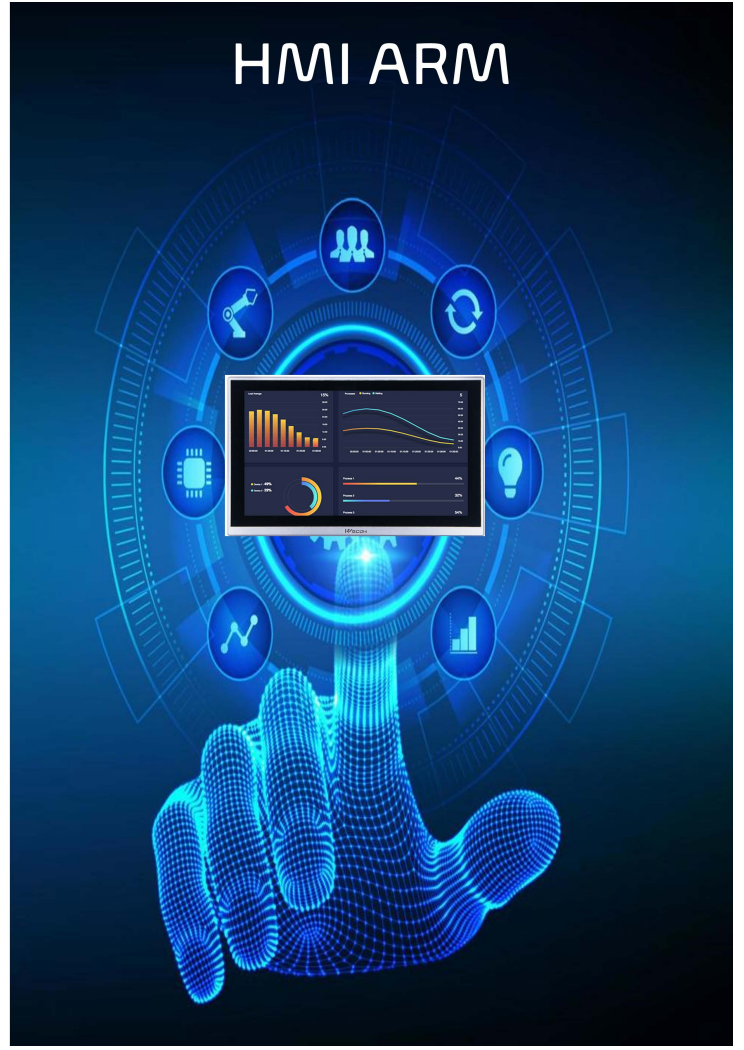
ITALIA

AL TUO SERVIZIO PER L'AUTOMAZIONE

ALL-IN-ONE PANEL PC



HMI ARM



PC BOX



INDUSTRIAL MONITOR



ALL-IN-ONE PANEL PC

2nd Gen I Series

2nd Gen I series machine adopts a more suitable for embedded installation of ultra-thin frame, high-precision aluminum alloy die-casting, fully enclosed design, equipped with independent research and development of fanless I series of high-compatibility motherboards, high-speed storage solutions, heat dissipation is more efficient, multi-tasking ability, full load state is still to maintain the strong performance and stable operation, suitable for supporting applications of cabinet equipment such as industrial control, military industry, communication, electric power, network and intelligent self-service terminal.

- ◆ Independent research and development of various industrial motherboards is optional.

- X86 architecture industrial motherboard
I3/I5/I7 multiple configurations available

- ◆ Support multiple operating systems

- Windows
- Ubuntu
- Centos

- ◆ Supports multiple touch options

- Capacitive touch
- Resistive touch
- Non-touch

- ◆ Multiple colors available

- Black
- Silver

Optional

- Customer Logo



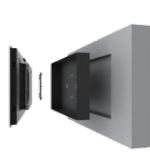
10.1"~23.8"
optional



Various installation methods are available

Recommended

Recommended



Panel-mount

Wall-embedded

Wall-mounted

VESA mount

Suspended mounting

Desktop

Folding mounting

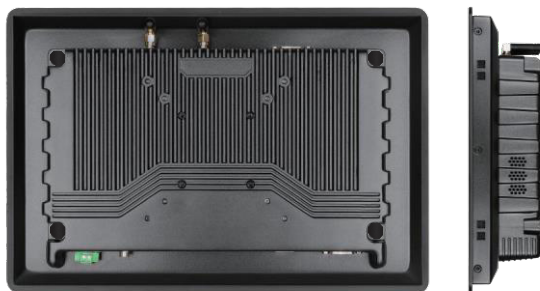
Product Features

Multiple sizes available

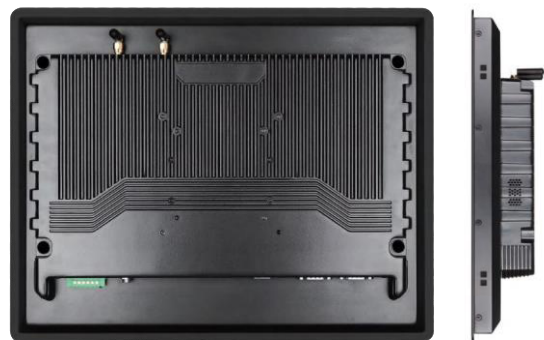


Product Size	Resolution	Screen Scale	Contrast Ratio	Brightness	Viewing Angle
10.1"	1280*800	16:10	1000:1	300cd/m ²	85/85/85/85 (L/R/U/D)
10.4"	1024*768	4:3	1000:1	400cd/m ²	80/80/80/60 (L/R/U/D)
11.6"	1920*1080	16:9	1000:1	300cd/m ²	85/85/85/85 (L/R/U/D)
12"	1024*768	4:3	1000:1	500cd/m ²	85/85/85/85 (L/R/U/D)
12.1"	1280*800	16:10	1000:1	300cd/m ²	85/85/85/85 (L/R/U/D)
13.3"	1920*1080	16:9	1000:1	220cd/m ²	85/85/85/85 (L/R/U/D)
15"	1024*768	4:3	1000:1	300cd/m ²	89/89/89/89 (L/R/U/D)
15.6"	1920*1080	16:9	800:1	300cd/m ²	85/85/85/85 (L/R/U/D)
17"	1280*1024	5:4	1000:1	300cd/m ²	85/85/80/70 (L/R/U/D)
17.3"	1920*1080	16:9	600:1	300cd/m ²	80/80/60/80 (L/R/U/D)
18.5"	1920*1080	16:9	1000:1	300cd/m ²	80/80/80/60 (L/R/U/D)
19"	1280*1024	5:4	1000:1	300cd/m ²	85/85/80/80 (L/R/U/D)
19.1"	1440*900	16:10	1000:1	300cd/m ²	80/80/80/80 (L/R/U/D)
21.5"	1920*1080	16:9	1000:1	300cd/m ²	89/89/89/89 (L/R/U/D)
23.8"	1920*1080	16:9	1000:1	250cd/m ²	89/89/89/89 (L/R/U/D)

Embedded X86 All-in-One Panel PC (back)



10.1-13.3 inch medium back cover



15-23.8 inch large back cover

Product Features

Ultra-thin frame design

3mm thin front panel design, pure flat embedded, perfect fit for all kinds of devices.

Industrial aesthetics, brushed aluminum alloy front panel design, the whole machine is crafted to show industrial aesthetics.

The "armor" body is made of high-precision aluminum alloy die-casting molding, fully enclosed anti-interference, sturdy, impact resistance, corrosion resistance, salt spray resistance.



Abundant sizes, 10.1"-23.8"15 sizes available.

Adopt high-standard industrial LCD screen, with gorgeous color, wide viewing angle and long service life.

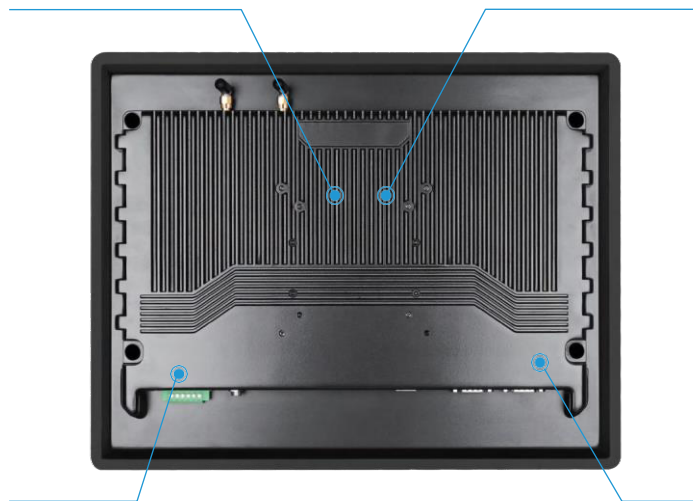
Support non-touch, 10 point capacitive touch and resistive touch are optional, with sensitive response and precise touch.

Industrial technology design



Adopting high efficient fanless and silent cooling technology and aluminum extruded backplane with fast heat conduction design, it still maintains strong performance and stable operation under full load.

Newly upgraded threaded DC power supply interface and industrial terminal interface, solid wiring is not easy to fall off, more stable data transmission.



There is a dustproof net on the surface of the horn, which has good sound penetration and dustproof effect.

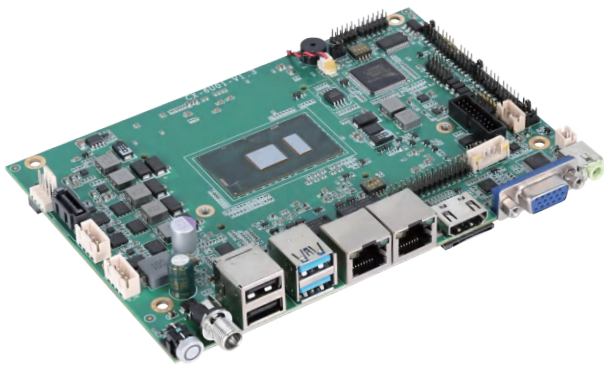
Supports 12V-36V wide-voltage power supply to cope with unstable voltage scenarios.

With independent intellectual property rights and trademarks, and have passed 3C/CE/FCC/ROHS/CB/UL/ BIS/ ISO certification.

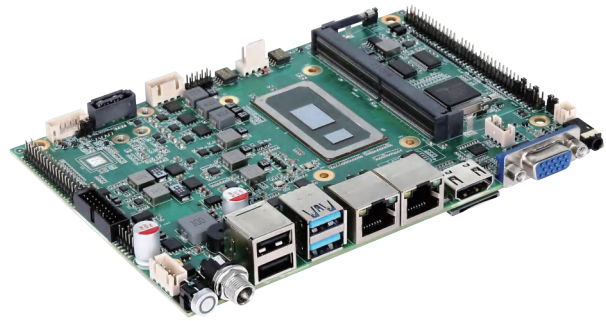
Motherboard Performance

Self-developed industrial-grade motherboards

X86 industrial motherboard

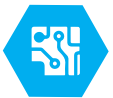


CX-6U01-i3/i5/i7



CX-10U01-i3/i5/i7

Whole machine performance protection



Moisture and corrosion resistant

The motherboard can be painted with three-proof paint, which has the properties of moisture-proof, leakage-proof, dust-proof, corrosion-proof, aging-proof and electricity-proof.



High and low temperature resistant design

Adopt industrial grade wide temperature motherboard, support -10 °C to 60 °C wide temperature operation can be customized ultra-wide temperature: -20 °C~70 °C.



Thunder and lightning protection

The motherboard is equipped with conductive capacitors, which can effectively guide the lightning to the conductive capacitors to protect the machine motherboard.



EMI/EMC anti-interference standards

The motherboard adopts active ESD protection circuit design, which has anti-interference and anti-magnetic design.



Anti-static protection

ESD standard of the whole machine: contact $\pm 4\text{KV}$, air $\pm 8\text{KV}$, can effectively protect the normal operation of the machine, to avoid the screen turning black.



Surge protection

High protection against surges, the voltage instantly rises 280V, the machine and the adapter will not produce faults, stable operation.

Product Parameters

Common parameter

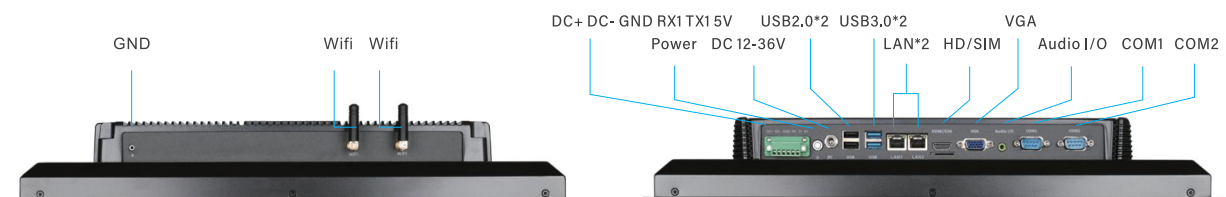
Screen Parameters	Panel type: industrial control screen	Viewing Angle: Wide View / Full View	
	Backlight type: LED, use time ≥ 50000H	Display Color: 16.7M	
	Brightness: 300cd/m ² (can be customized ≤1500cd/m ²)	Contrast ratio: 1000:1	
Touch Parameters	10-point Projection capacitive touch Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Standard protocol: USB	Single point 4-wire/5 wire resistive touch Light transmittance: ≥ 78% Input mode: Fingertip or stylus Standard protocol: USB	Non-touch Light transmittance: ≥ 92%
	Environment Parameters	Operating temperature: -10 °C ~60 °C Storage temperature: -20 °C ~70 °C Humidity: 95% non-condensing	Vibration Protection: IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis Shock Protection: IEC 60068-2-27, half sine wave, 11ms duration
Other Parameters	Power input: 12V / 12-36V wide-voltage power input optional	Material: Aluminum Alloy	
	Static power: 18W	Body Color: black, optional silver	
	Warranty policy: three years (one year free warranty)		

Hardware parameters

Embedded X86 All-in-One Panel PC >>

CPU	Intel I3-6100U/I3-8145U/I3-10110U, I5-6200U/I5-7200U/I5-8265U/I5-10210U, Intel I7-6500U/I7-7500U/I7-8565U/I7-10510U
Memory	4G/8G/16G/32G/64G DDR4 optional
Storage	64G/128G/256G/512G SSD, 1T/2T HDD optional
Integrated Graphics	Intel HD Graphics
OS	Win7/10, Ubuntu/Centos/Redhat/Debian
WiFi/BT	Support dual band 2.4G&5G wifi, Bluetooth
Speaker	Dual speaker

Interface distribution



Standard I/O interface, support customization like USB/RS232/RS485/RS422, etc

Runtime Movicon11,6

Licenze Runtime Movicon 11,6 per WIN32/64

	BASIC	PRO	ADVANCED
I/O Byte (Tags)	2048	2048	4096
Screens	✓	✓	✓
Graphics Libraries	✓	×	✓
Power Templates	×	✓	✓
Alarms	Max. 2048	✓	✓
Accelerators and Menus	✓	✓	✓
Touch Screen	✓	✓	✓
Event Historical Log	Only TXT/XML	✓	✓
Dynamic Language Change	✓	✓	✓
IL Logic (Soft Logic)	✓	✓	✓
VBA Scripting Multithreading	Max.2	✓	✓
ActiveX-OCV	×	✓	✓
OnLine/Remote Debugger	✓	✓	✓
IP Camera	✓	✓	✓
Dundas Gauges	×	✓	✓
Speech Recognition	×	✓	✓
Dynamic Trends	✓	✓	✓
Historical Trends, Data Analysis	Only TXT/XML	✓	✓
Recipes	Only TXT/XML	✓	✓
OPC Client (UA,DA,XML DA)	✓	✓	✓
Driver - Telecontrol	✓ - Check driver on website	✓ - Check driver on website	✓ - Check driver on website
VBA Driver Interface	×	✓	✓
User & Password Management -CFR21	×	✓	✓
3D Charts	×	✓	✓
Networking	✓	✓	✓
Remote RAS Networking	×	✓	✓
Data Loggers	Max. 2 Only TXT/XML	✓	✓
Reports (Designer/Embedded/CR)	×	✓	✓
Textual Reports	✓	✓	✓
Multi – Drivers	Max. 2	Max. 2	Max. 2
Alarm Statistics	×	✓	✓
OPC Server (UA, DA, XML DA)	×	✓	✓
Redundancy	×	×	×
SMS/Volce/Fax/E-mails	×	×	✓
Web Client	1	1	2
Multitouch	✓	✓	✓







Industrial Computer B Series

Adopting all-aluminum alloy structure and fanless fully enclosed design scheme, low power consumption of the whole machine, compact shape, specially designed for industrial products for a variety of environments, to ensure that along period of time in harsh environments and stable work, stable performance and reliability, EMC compatibility and environmental adaptability, rich and easy to expand the interface, widely used in industrial control, military, communications, electric power, network and other automation fields.

- ◆ Independent research and development of various industrial motherboards is optional.

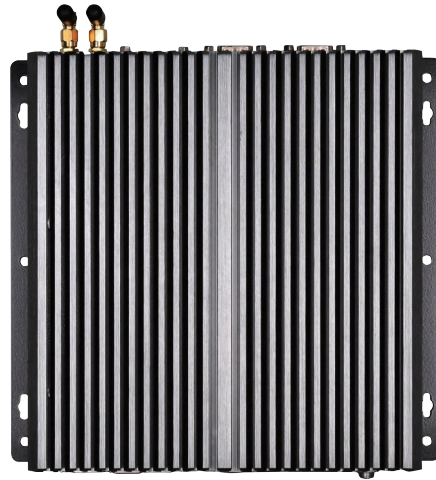
X86 architecture industrial motherboard

- ◆ Support multiple operating systems

 Windows  Ubuntu
  Linux  Debian
  Redhat  Centos

- ◆ Multiple colors available

Black Silver



Various installation methods are available



Recommended

Desktop



Recommended

Rack mount

Product Features

Industrial technology design

Adopting high-precision aluminum alloy die-casting molding, fully enclosed anti-interference, sturdy impact resistance, corrosion resistance, salt spray resistance

Support power-onself-start and remote wake-up functions, and the operation is smarter and more convenient.

Authoritative patent certification, With independent intellectual property rights and trademarks



Exquisite and concise appearance design, aluminum fin passive heat dissipation and conduction device, fan-free design of the whole machine, simple internal wiring, ensuring uninterrupted and stable operation in harsh environment.

Integrated diversified interfaces, reserved COM port, more convenient application upgrade

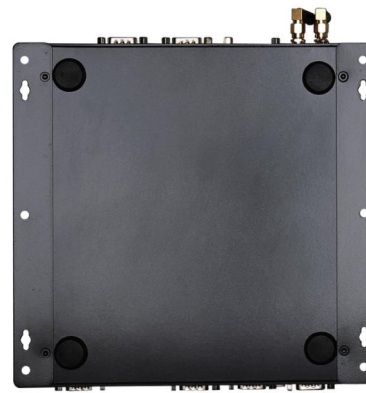
Classic X86 Mini PC



Front



Side



Back

Motherboard Performance

Self-developed industrial-grade motherboards

X86 industrial motherboard



J1900



J4125



J6412



CX-6U01-i3/i5/i7



CX-10U01-i3/i5/i7

Whole machine performance protection



Moisture and corrosion resistant

The motherboard can be painted with three-proof paint, which has the properties of moisture-proof, leakage-proof, dust-proof, corrosion-proof, aging-proof and electricity-proof.



High Performance CPU

Adopting first-tier brand chips, the highest equipped with Intel® 10th Gen Core™ i7 processor, strong performance, to meet the all-weather stability of operation



Thunder and lightning protection

The motherboard is equipped with conductive capacitors, which can effectively guide the lightning to the conductive capacitors to protect the machine motherboard.



Surge protection

High protection against surges, the voltage instantly rises 280V, the machine and the adapter will not produce faults, stable operation.



EMI/EMC anti-interference standards

The motherboard adopts active ESD protection circuit design, which has anti-interference and anti-magnetic design.



Anti-static protection

ESD standard of the whole machine: contact $\pm 4\text{KV}$, air $\pm 8\text{KV}$, can effectively protect the normal operation of the machine, to avoid the screen turning black.



High and low temperature resistant design

Adopt industrial grade wide temperature motherboard, support $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$ wide temperature operation can be customized ultra-wide temperature: $-20\text{ }^{\circ}\text{C}$ ~ $70\text{ }^{\circ}\text{C}$.



Customized Upgrades

Easy to expand and upgrade, support the appearance, function, screen, accessories, interface and other flexible customization services

Product Parameters

Cutting-Edge Android Mini PC

CPU	Intel Celeron J1900 Quad Core 1.99GHz	OS	Win7/10,Ubuntu/Centos/Redhat/Debian/Linux
	Intel Celeron J4125 Quad Core 2.0GHz		Win10/11,Ubuntu/Centos/Linux
	Intel Celeron J6412 Quad Core 2.6GHz		Win10/11,Ubuntu/Centos/Linux
	Intel I3/I5/I7		Win7/10/11,Ubuntu/Centos/Redhat/Debian/Linux
GPU	Intel HD Graphics		
Memory	4G/8G/16G/32G/64G optional		
Storage	64G/128G/256G/512G SSD, 1T/2T HDD optional		
Resolution Support	Above 800 * 600		
WIFI	Dual band 2.4G&5G	Power On	Support
Bluetooth	BT4.0	Remote Wakeup	Support
Decoding Resolution	HDMI Supports up to 4K 3840*2160	Automatic Reset	Support
Network Support	4G, Ethernet, wireless peripheral expansion, etc.	HD Support	1080P
Environment Parameters			
Operating Temperature	-10 °C ~60°C	Vibration Protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Storage Temperature	-20 °C ~70 °C	Shock Protection	IEC 60068-2-27, half sine wave, 11ms duration
Humidity	95% non-condensing		
Other Parameters			
Power Input	12V / 12-36V wide-voltage power input optional	Overall Size	199.5*213.1*58.3(L*W*H)
Static Power	15W	Operating Weight	1.9KG
Body Color	Black	Installation Method	Supports rack mount, desktop mount.
Chassis Structure	The aluminum alloy on the case surface has good seismic resistance and impact resistance		

Interface Distribution

Classic X86 Mini PC--Interface distribution



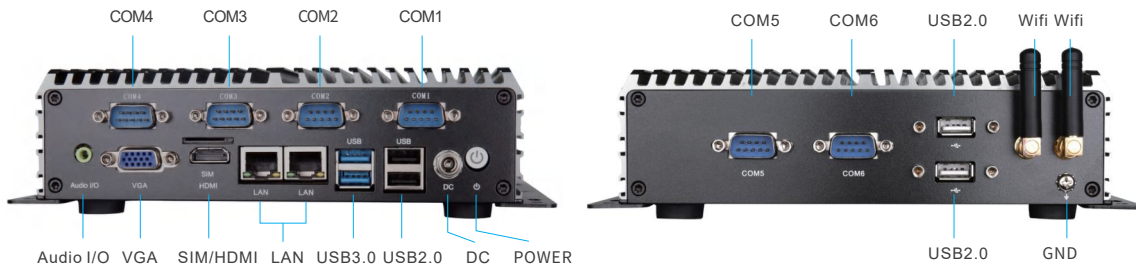
J1900 Motherboard: please refer to the real thing for details

Interface Distribution

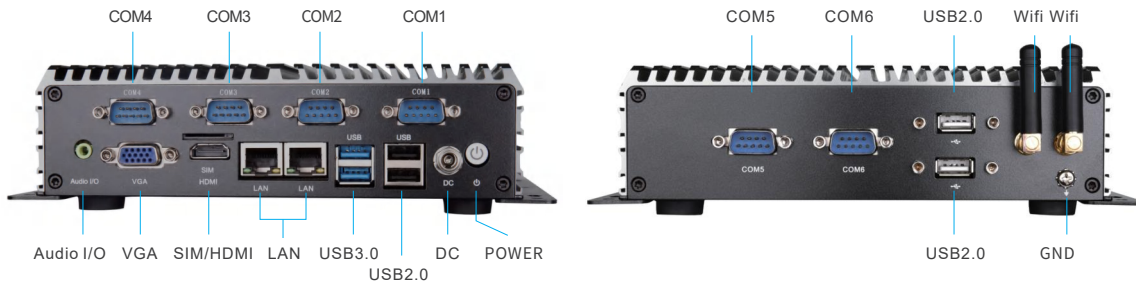
Classic X86 Mini PC--Interface distribution



J4125 Motherboard: please refer to the real thing for details



J6412 Motherboard: please refer to the real thing for details



I series Motherboard: please refer to the real thing for details

Embedded Industrial monitor 2nd Gen

It has 10.1" - 23.8" multiple sizes to choose from. The entire panel adopts 3mm ultra-thin panel that is more suitable for embedded installation, aluminum alloy structure, fanless totally enclosed design, and is equipped with self-developed industrial display driver board. 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, network, intelligent self-service terminal equipment and other automation applications.

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

Self developed display driver board, multiple touch modes available

Industrial protection, applicable to various harsh environments

Support VGA, HDMI, DVI and automatic identification of signal channels




ISO FC CE RoHS

10.1"~23.8" optional



Product Model

Product size	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	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"	1024*768	4:3	400cd/m ²	1000:1	80/80/80/60 (L/R/U/D)	
11.6"	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12.1"	1280*800	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
13.3"	1920*1080	16:9	220cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
15.6"	1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
15"	1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
17"	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
18.5"	1920*1080	16:9	300cd/m ²	1000:1	80/80/80/60 (L/R/U/D)	
19"	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
23.8"	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 Specification

Hardware configuration

CPU	RTD2513/RTD2556
key functions	AUTO , MENU , POWER, LEFT, RIGHT
Menu language	Multi language (default English)
video input	PC-RGB:Format, up to 1920*1080@60Hz
	Pc-RGB:color, 16bit, 24bit, 32bit

TgUch 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%

Environmental

working Temperature	-10°C ~ 60c
storage Temperature	-20C ~ 70°C
Relative 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

other

power Input	12v-36v power Input
static power	18W
Fuselage properties	Body material:aluminum alloy, body color: technical silver, classic gun black
warranty policy	Three years (one year free warranty)
Installation Method	Embedded installation is recommended, supporting wall mounted, desktop mounted, cantilever mounted, boom mounted, etc

I/o Interface

power interface	1*DC21(DC 12-36v)
HDMI	1*HDMI, high-definition audio digital signal transmission, support HDMI data input, maximum support 1080p
VGA	1*VGA ,Analog signal transmission, supporting the best resolution of VGA
DVI	1*DVI, digital signal transmission, supporting the best resolution of DVI digital signal
TOUCH	1*TOUCH, RJ45 interface standard (defined as USB), can be connected with capacitance/resistance touch
AUDIO I/O	1*AUDIO/o, supporting audio input and output; Headphone stand: 3.5mm standard interface
GND	1*GND

Interface Distribution



only the 15 inch interface is displayed. please refer to the actual object for details.



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