QD B Series

QD B series products include three types of industrial monitors, industrial ARM architecture all-in-one PC, industrial X86 architecture all-in-one PC, with 7''-21.5'' multiple sizes available. High-precision aluminum alloy die-casting, fanless closed design, compact shape, low-power consumption, designed for offline channel dealers to create exclusive products for industrial control, military, communications, power, network and other industrial automation fields!

- Independent research and development of various industrial motherboards is optional.
  - ARM architecture industrial motherboard
  - X86 architecture industrial motherboard
  - Display drive board
- Support multiple operating systems
  - Windows
  - Ubuntu
  - Redhat
  - Android
  - Debian
  - Linux
  - Centos
- Supports multiple touch options
  - Capacitive touch
  - Resistive touch
  - Non-touch
- Multiple colors available
  - Black
  - Silver

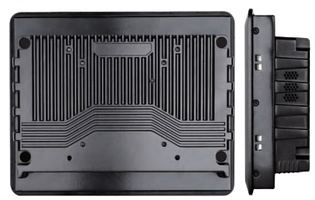
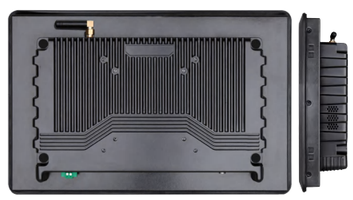
7''~21.5'' optional

Multiple mounting options available

Panel-mount | Wall-mounted | VESA mount | Suspended mounting | Desktop | Folding mounting

Multiple sizes available

Product Size	Resolution	Screen Scale	Contrast Ratio	Brightness	Viewing Angle
7”	1024*600	16:9	500:1	300cd/m²	75/75/70/75 (L/R/U/D)
8”	1024*768	4:3	800:1	300cd/m²	80/80/80/60 (L/R/U/D)
10.1”	1280*800	16:10	1000:1	300cd/m²	85/85/85/85 (L/R/U/D)
10.4”	1024*768	4:3	1000:1	400cd/m²	80/80/80/60 (L/R/U/D)
11.6”	1920*1080	16:9	1000:1	300cd/m²	85/85/85/85 (L/R/U/D)
12”	1024*768	4:3	1000:1	500cd/m²	85/85/85/85 (L/R/U/D)
15”	1024*768	4:3	1000:1	300cd/m²	89/89/89/89 (L/R/U/D)
15.6”	1920*1080	16:9	800:1	300cd/m²	85/85/85/85 (L/R/U/D)
17”	1280*1024	5:4	1000:1	300cd/m²	85/85/80/70 (L/R/U/D)
17.3”	1920*1080	16:9	600:1	300cd/m²	80/80/60/80 (L/R/U/D)
19”	1280*1024	5:4	1000:1	300cd/m²	85/85/80/80 (L/R/U/D)
19.1”	1440*900	16:10	1000:1	300cd/m²	80/80/80/80 (L/R/U/D)
21.5”	1920*1080	16:9	1000:1	300cd/m²	89/89/89/89 (L/R/U/D)

General Industrial Monitor (back)	General ARM AI-in-One Panel PC (back)	General X86 All-in-One Panel PC (back)
		
7-8 inch small back cover	10.1-12 inch center back cover	15-21.5 inch large back cover

Product Features

Industrial aesthetics design

8mm rounded chamfered frame, universal front panel design.

Flat front panel design with IP65 dust and waterproof rating.

No sales online, exclusive products for offline channel distributors.

Abundant sizes, 7"-21.5"13 sizes available.

High-specification industrial LCD screen, resistant to -10℃~60℃ high and low temperature.

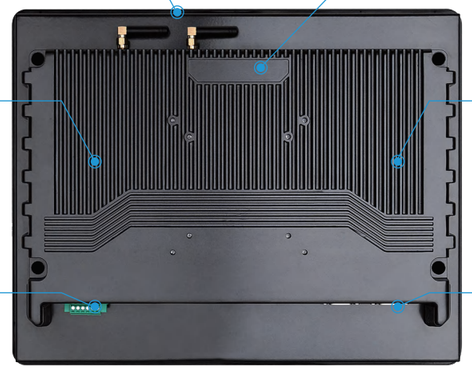
Support non-touch, 1 0-point capacitive touch and resistive touch are optional, Precision Touch.

Industrial technology design

Waterproof rubber strips are added to the body for better dust and waterproofing.

Fully enclosed anti-interference design, strong impact resistance, salt spray resistance, etc.

The interface is rich and easy to expand, the connection is firm and not easy to fall off, and the data transmission is more stable.



Can be customized with exclusive logo branding.

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

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

J1900

J4125

J6412

Display drive board

CX-2513/2556

ARM industrial motherboard

A64

RK3288

RK3399

RK3568

RK3588

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℃ to 60℃ wide temperature operation can be customized ultra-wide temperature: -20℃~70℃.

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 ± 4KV, air ± 8KV, 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/㎡ (can be customized ≤1500cd/㎡)	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	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	Material: Aluminum Alloy	
	Static power: 18W	Body Color: black, optional silver	
	Warranty policy: three years (one year free warranty)		

Hardware parameters

General Industrial Monitor »

CPU	RTD2513/RTD2556	Video Input	PC-RGB: Format Up to 1920*1080@60HZ
Menu Language	Multi language (default to English)		PC-RGB: Color 16bit, 24bit, 32bit
Button Function	AUTO,MENU,POWER,LEFT,RIGHT		

General X86 All-in-One Panel PC »

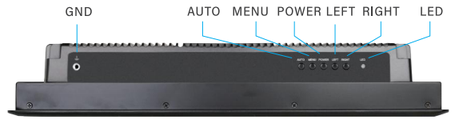
CPU	Intel Celeron J1900 Quad Core 1.99GHz	Operating System	Win7/10, Ubuntu/Centos/Redhat/Debian/Linux
	Intel Celeron J4125 Quad Core 2.0GHz		Win10/11, Ubuntu/Centos/Linux
	Intel Celeron J6412 Quad Core 2.6GHz		Win10/11, Ubuntu/Centos/Linux
Integrated Graphics	Intel HD Graphics	WIFI	Dual band 2.4G&5G
Memory	4G/8G/16G/32G optional	Bluetooth	Support
Storage	64G/128G/256G/512G SSD, 1T/2T HDD optional	Network support	4G, Ethernet, WiFi/Bluetooth support, wireless peripheral expansion

General ARM All-in-One Panel PC »

CPU	A64 Cortex-A53 quad-core, 1.5GHz	Operating System	Android 6.0
	RK3288 Cortex-A17 Quad Core 1.8GHz		Android 7.1/10.0/12.0,Linux4.4/Ubuntu18.04/Debian10.0
	RK3399 Six Core 64 bit, 1.8GHz		Android 7.1/9.0/11, Ubuntu18.04/Debian10.0/Linux4.4+QT
	RK3568 Quad-core 64 bit 2.0GHz		Android 12.0/Ubuntu5.10
	RK3588 Octa-core 64 bit 2.4GHz		Android 12.0
Memory	2G/4G/8G/16G/32G optional	Decoding Resolution	Supports up to 4K/60HZ
Storage	8G/16G/32G/64G/128G/256G eMMC optional		
Network support	4G, Ethernet, WiFi/Bluetooth support, wireless peripheral expansion		

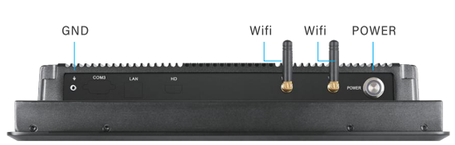
Interface Distribution

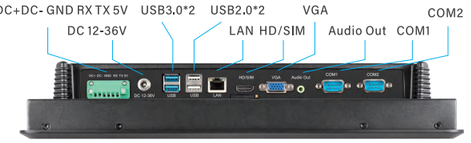
General Industrial Monitor–Interface distribution



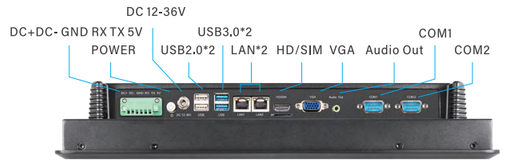
Only 15" interface is shown, please refer to the real thing for details

General X86 All-in-One Panel PC--Interface distribution





J1900 Motherboard: Only 15" interface is shown, please refer to the real thing for details



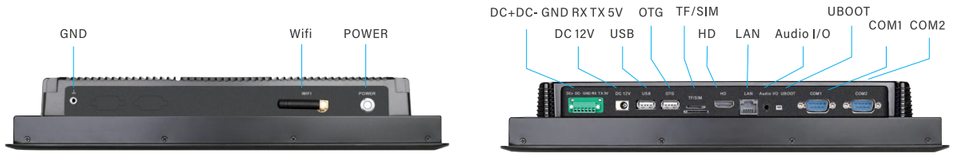
J4125 Motherboard: Only 15" interface is shown, please refer to the real thing for details

General ARM All-in-One Panel PC--Interface distribution

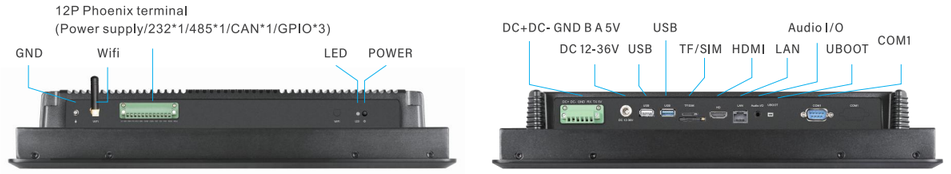
A64 Motherboard: Only 15" interface is shown, please refer to the real thing for details

Interface Distribution

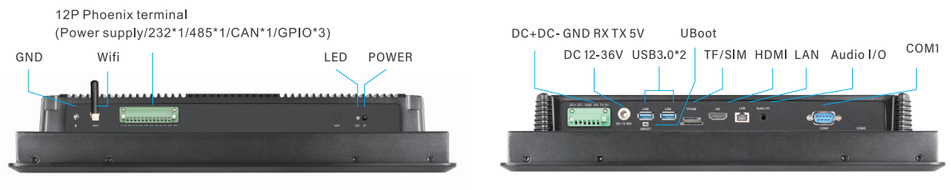
General ARM All-in-One Panel PC--Interface distribution



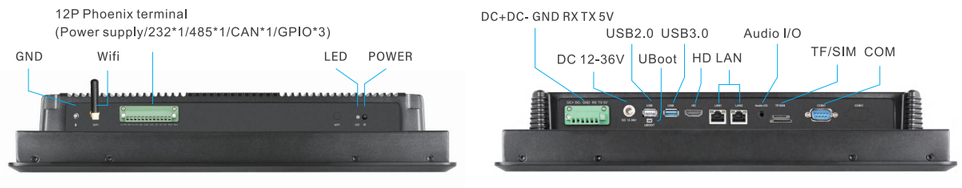
RK3288 Motherboard: Only 15" interface is shown, please refer to the real thing for details



RK3399 Motherboard: Only 15" interface is shown, please refer to the real thing for details



RK3568 Motherboard: Only 15" interface is shown, please refer to the real thing for details



RK3588 Motherboard: Only 15" interface is shown, please refer to the real thing for details

QD I series

Adopting high-precision aluminum alloy die-casting, fanless fully enclosed design, equipped with independent research and development of fanless I series of high-compatibility motherboards, high-speed storage solutions, more efficient heat dissipation, multi-tasking ability, full-loaded state still maintains a strong performance and stable operation, designed for offline channel dealers to create an exclusive product for the industrial control, military, communications, power, network and other industrial automation fields.

- 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

7"~21.5" optional

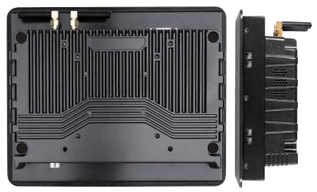
Multiple mounting options available

Panel-mount	Wall-mounted	VESA mount	Suspended mounting	Desktop	Folding mounting

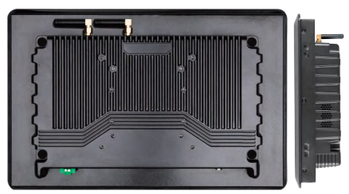
Multiple sizes available

Product Size	Resolution	Screen Scale	Contrast Ratio	Brightness	Viewing Angle
7”	1024*600	16:9	500:1	300cd/m²	75/75/70/75 (L/R/U/D)
8”	1024*768	4:3	800:1	300cd/m²	80/80/80/60 (L/R/U/D)
10.1”	1280*800	16:10	1000:1	300cd/m²	85/85/85/85 (L/R/U/D)
10.4”	1024*768	4:3	1000:1	400cd/m²	80/80/80/60 (L/R/U/D)
11.6”	1920*1080	16:9	1000:1	300cd/m²	85/85/85/85 (L/R/U/D)
12”	1024*768	4:3	1000:1	500cd/m²	85/85/85/85 (L/R/U/D)
15”	1024*768	4:3	1000:1	300cd/m²	89/89/89/89 (L/R/U/D)
15.6”	1920*1080	16:9	800:1	300cd/m²	85/85/85/85 (L/R/U/D)
17”	1280*1024	5:4	1000:1	300cd/m²	85/85/80/70 (L/R/U/D)
17.3”	1920*1080	16:9	600:1	300cd/m²	80/80/60/80 (L/R/U/D)
19”	1280*1024	5:4	1000:1	300cd/m²	85/85/80/80 (L/R/U/D)
19.1”	1440*900	16:10	1000:1	300cd/m²	80/80/80/80 (L/R/U/D)
21.5”	1920*1080	16:9	1000:1	300cd/m²	89/89/89/89 (L/R/U/D)

Highly Configurable X86 All-in-One Panel PC (back)



7-8 inch small back cover



10.1-12 inch center back cover

15-21.5 inch large back cover

Product Features

Industrial aesthetics design

8mm rounded chamfered frame, universal front panel

Flat front panel design with IP65 dust and waterproof rating.

No sales online, exclusive products for offline channel

Abundant sizes, 7"-21.5"13 sizes available.

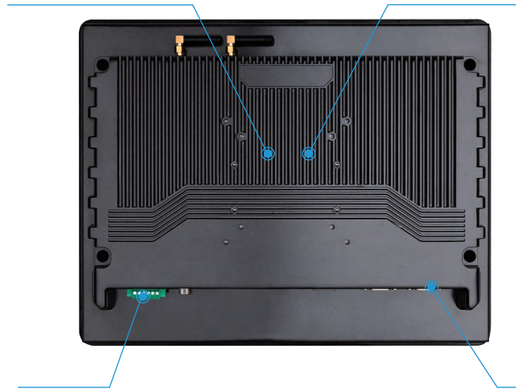
High-specification industrial LCD screen, resistant to -10 ℃~60 ℃ high and low

Support non-touch, 1 0-point capacitive touch and resistive touch are optional, Precision 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.

Support USB3.0, integrated RJ45/HDMI/DVI and other rich expansion interface, to meet more needs.



Dustproof mesh on the surface of the speaker for good sound penetration and dustproof effect.

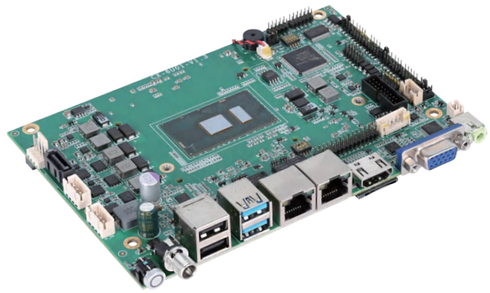
Supports 12V-36V wide-voltage power supply to cope with unstable voltage scenarios.

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

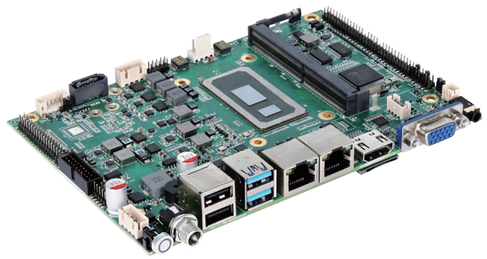
Motherboard Performance

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℃ to 60℃ wide temperature operation can be customized ultra-wide temperature: -20℃~70℃.

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 ± 4KV, air ± 8KV, 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/m² (can be customized ≤1500cd/m²)	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	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	Material:Aluminum Alloy	
	Static power: 18W	Body Color: black, optional silver	
	Warranty policy: three years (one year free warranty)		

Hardware parameters

Highly Configurable 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