QD170-W6

The whole machine adopts pure plane frame, aluminum alloy structure, no fan completely closed design. Support desktop, wall mounted, embedded, cantilever, boom and other installation modes, widely used in industrial control, military, communications, electric power, network and other automation fields.

Features

- Appearance independent mold opening
- High precision aluminum alloy material
- Pure flat panel up to IP65 dust and waterproof
- Independently developed fanless X86 architecture industrial motherboard
- Comply with EMC anti-electromagnetic interference standards
- Industrial protection, adapt to a variety of harsh environment
- Compatible with 99% industry software
- Rich interface design, strong expansion

Intel I5-1235U	Fanless cooling	12V-36V	IP65 waterproof	Rich interfaces	7*24H operation

Product Model

Product Size	17"	
Non-touch	QD170-W600	
Capacitive touch	QD170-W610	
Resistive touch	QD170-W620	

Product Interface

GND | Industrial terminals | Wifi | POWER | DC 12-36V | USB | USB | LAN | HD/SIM | VGA | Audio I/O | COM

Product size

Physical Characteristics

Overall dimensions	W399.2x H331.6x D64.5mm
Size of opening	W385.3 x H323.4mm

Interface Parameters

Power interface1	1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/GPIO*5)
Power interface2	1*DC【5.5*2.5mm】Supporting wide voltage 12V-36V power supply
USB	2*USB 2.0, 2*USB 3.0
Network interface	2*LAN, 10M/100M/1000M adaptive Ethernet
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
VGA	1*VGA
Audio interface	1*Audio I/O, Support audio input and output
COM	1*RS232
WiFi antenna	2*WiFi antenna
POWER	1*POWER
Grounding post	1*Grounding post (GND)

Product Reliability

Working Temperature	-10°C to 60°C
Storage temperature	- 20°C to 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
Authentication	CCC/CE/FCC/EMC/CB/ROHS
Waterproof	Front panel reaches IP65 protection level

Product Specifications

Screen Parameters

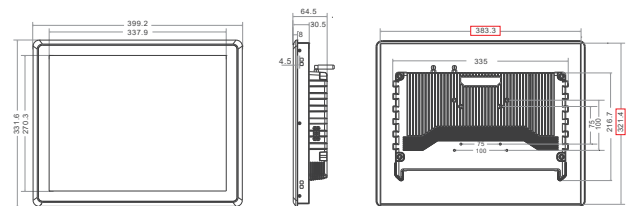|	
LCD Size	17" TFT LCD
Resolution	1280*1024(5:4)
Viewing Angle	85/85/80/70 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

Touch Parameters

Touch type	10-point touch projection Capacitive touch screen	Single-point Resistance touch screen	Non-touch
Transmittance	≥88%	≥78%	≥92%
Input mode	Handwriting or Capacitance pen	Fingertip or stylus	/
Controller communication	USB	USB	/

Hardware Configuration

CPU	Intel Core™ i5-1235U processor, 10 cores and 12 threads
CPU frequency	1.3GHZ, maximum turbo frequency: 4.4 GHz
Integrated graphics	Intel Iris Xe Graphics 80
RAM	8GB DDR4 (optional: 16GB/32GB)
Storage	256GB SSD (optional SSD 256GB~512GB, HDD 500G~1T)
WiFi	2.4GHz / 5GHz dual bands
Bluetooth	BT4.0 (optional)
Operating system	WIN10/11, Ubuntu/Centos/Redhat/Debian/Linux