AB170!K &$$!>*

AB PanelPC®
Industrial, Rugged, Reliable

Full aluminum alloy panel structure with an IP65 waterproof front panel and an aluminum alloy rear cover equipped with heat dissipation holes. It is low power consumption. It is suitable for embedded installation applications and supports various external device connections, making it widely applicable in self-service terminals such as self-service vending machines, inquiry kiosks, parcel lockers, industrial, and medical self-service terminal fields.

Features

- Ultra-thin bezel design, tailored for embedded installation applications
- Pure flat panel IP65 dust-proof and waterproof.
- Self-developed X86 architecture industrial motherboard
- Intel Celeron J6412 quad-core 2.0GHz processor
- Comply with EMC anti-electromagnetic interference standard
- Compatible with 99% of industry software, With strong expansility

Intel J6412	4K HD display	DC 12-36V	IP65	Rich interfaces	7*24H operation

ISO FC CE CCC RoHS 10

Product Model

Product Size	17"
Non-touch	AB170-W200
Capacitive touch	AB170-W210
Resistive touch	AB170-W220

Product Interface

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

Product Specifications

Screen Parameters

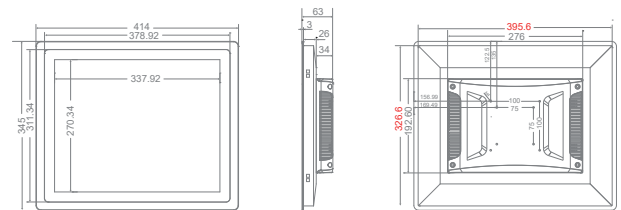| LCD size	17" TFT LCD
Resolution	1280×1024(5:4)
Viewing angle	85/85/80/70 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

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 Celeron J6412 quad-core 2.0GHz CPU
Memory	Standard: 8GB LPDDR4 (It supports up to 16GB)
Storage	Standard: 256GB SSD (optional 512GB SSD, 1T/2T HDD)
Integrated graphics	Intel UHD Graphics 16 EUs
Operating system	WIN10/11, Ubuntu14.04.6/16.04.7/18.04.5/18.04.6/20.04.1/20.04.3/20.04.4/22.04, Centos7.8/8.4/7.9, Redhat7.4, Debian10.0/11.6

Product Size

Physical Characteristics

Overall dimensions	W414X H345X D63MM
Size of opening	W397.6x H328.6MM

Interface Parameters

Power interface1	1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/GPIO*5)
Power interface2	1*DC2.5, Supporting 12V-36V power input
USB	2*USB2.0, 2*USB3.0
VGA	1*VGA
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
Network interface	2*LAN, 1*Realtek PCI-E NIC RTL8111H (Applicable to 1000Mbps) 1*Realtek PCI-E NIC RT8152B (Applicable to 1000Mbps)
Audio interface	1*Audio I/O, support audio input and output
COM	1*RS232
WiFi antenna	2*WiFi antenna
Grounding post	1*Grounding post (GND)

Product Reliability Parameters

Working temperature	-10°C~60°C
Storage temperature	-20°C~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, Lasting for 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof grade	The front panel reaches IP65 protection level

Power Parameters

Power input	DC 12V~36V
Static power	18W
Broad pressure	With wide voltage (12V~36V)
WiFi	Support 2.4GHz/ 5GHz dual-band Wifi
Bluetooth	BT4.0（Optional）