ABPanelPC®
Industrial, Rugged, Reliable

AB070-W200-I

The overall use of flat aluminum alloy panel, fanless fully enclosed integrated design. Meet the requirements of different equipment in different environments. It is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features

- Pure flat panel IP65 dust-proof and waterproof.
- High precision aluminum alloy material.
- Self-developed fanless X86 architecture industrial motherboard
- Industrial protection, applicable to various harsh environments.
- Supporting 12V-36V wide voltage power supply;
- Dual gigabit adaptive Ethernet ports for faster transmission.
- Rich interfaces and strong extensibili.
- Support desktop, wall mounted, embedded and other installation methods.

| Intel I7 | Fanless cooling | 12V-36V | IP65 waterproof | Rich excuses | 7*24H operation |

Intel CORE i7 6th Gen · CORE i7 10th Gen · CORE i7 8th Gen · CORE i7 7th Gen · ISO · FC · CE · CCC · RoHS · 10

Product Model

Product Size	7"
Non-touch	AB070-W200-I
Capacitive touch	AB070-W210-I
Resistive touch	AB070-W220-I

Product Interface

| Wifi | GEN | POWER | DC | USB-2.0 | USB-3.0 | LAN | HDMI/SIM | VGA | Audio I/O | COM |

Product size

Physical Characteristics

Overall dimensions	W225.04x H160.7x D59mm
Size of opening	W212.84 x H148.5mm

Interface

DC	1*DC 2.5
HDMI	1*HDMI, Support HDMI data output, maximum support 1080P
USB	2*USB 2.0 2*USB 3.0
LAN	2*LAN,Dual 1000M adaptive Ethernet
AUDIO	1*Audio I/O,Support audio input and output
SMI card	Standard SIM card interface, supporting various standards (depending on 3G/4G module)
VGA	1*VGA
WIFI	2*WIFI
POWER	1*POWER
Industrial terminal	1*Industrial terminal

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	7" TFT LCD
Resolution	1024×600
Viewing Angle	75/75/70/75 (L/R/U/D))
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	500:1

Touch Screen

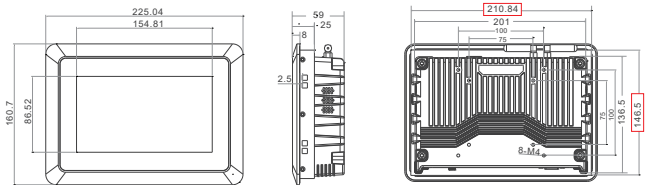| Touch screen type	10 point touch projection capacitive touch screen
Light transmittance	≥88%
Input mode	Handwriting or capacitive pen
Controller communication	USB

Hardware Configuration

CPU	I7-6500U	I7-7500U	I7-8565U	I7-10510U
CPU frequency	2.5GHz	2.7GHz	1.8GHz	1.8GHz
Integrated graphics	Inte HD Graphic 520	Inte HD Graphic 620	Intel Ultra HD Graphic 620	Intel UHD630 Graphics
RAM	4G DDR4 (Optional 8G/16G)	4G DDR4(Optional 8G/16G/32G)	4G DDR4(Optional 8G/16G/32G)	8G DDR4(Optional 16G/32G/64G)
Storage	128G SSD (Optional 256/512G)			
WiFi	2.4GHz / 5GHz dual bands			
Bluetooth	BT4.0(Optional)			
Operating system	Windows7/10/11; Ubuntu16.04.7/8.04.5/20.04.3; Centos7.6/7.8			
Other support	Support RTC real-time clock and timing switch			

Power parameters

Input voltage	DC 12V~36V	Static Power	18W