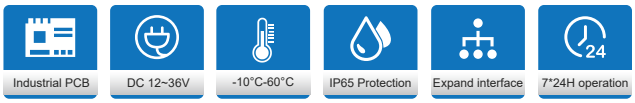
AB116-M200

ABPanelPC®
Industrial, Rugged, Reliable

Introducing the IMD 2nd Gen Series: our latest innovation in rugged computing, forged with an aluminum alloy body for unparalleled durability. Designed to excel beyond kiosks, it integrates seamlessly into manufacturing lines, control systems, and communications infrastructure, delivering reliable, energy-efficient operation in even the most challenging environments. Compact and robust, this series is the definitive industrial computing solution.

Features

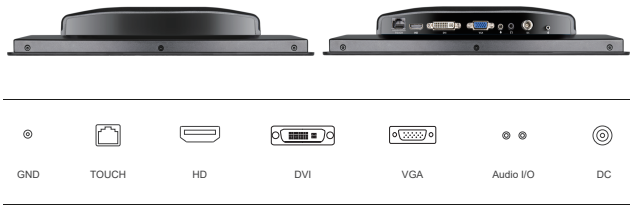
- Meets EMC standards for robust electromagnetic interference resistance.
- Industrial-grade quality, supporting a range of customization options.
- Upgradeable to a 1000+ nit display for superior visibility in bright environments.
- Optional auto-brightness sensor for real-time luminance adjustment.
- Automatically detects VGA, DVI, and HDMI inputs for versatile connectivity.
- Flexible installation configurations: desktop, wall-mounted, Open Frame, Panel Mount, cantilevered setups.



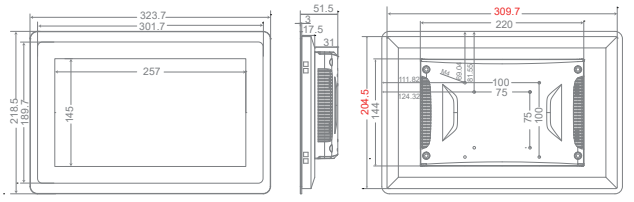
Product Model

Product Size	11.6"
Non-touch	AB116-M200
Capacitive touch	AB116-M210
Resistive touch	AB116-M220

Product Interface



Product Size



Physical Characteristics

Overall dimensions	W323.7x H218.5x D51.5mm
Size of opening	W311.7 x H206.5mm

Interface Parameters

Grounding column	Support (1*GND)
Power interface	1*DC2.1, Support 12V-36V wide voltage power supply
HDMI	1*HDMI, Support HDMI data input, With a maximum of 1080P
Touch interface	1*TOUCH (RJ45)
VGA	1*VGA, Analog signal transmission
DVI	1*DVI, Digital signal transmission
Audio interface	1*Audio I/O, Support audio input and output

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

Product Specifications

Screen Parameters

LCD size	11.6" TFT LCD
Resolution	1920*1080
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	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	RTD2556	System language	Multilingual (default: English)
Key function	AUTO/MENU/POWER/LEFT/RIGHT	Video input	PC-RGB:Format Up to 1920*1080@60HZ Color 16bit/24bit/32bit

* All specifications and photos are subject to change without notice.

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