APC101-A500-3288

The machine is made of aluminum alloy material, strong structure, fully closed without fan design, efficient heat dissipation, designed for a variety of complex harsh environment. Can provide SDK package and technical support, support secondary development and rapid upgrade customization, widely used in industrial control, military, communications, electric power, network and other automation fields.
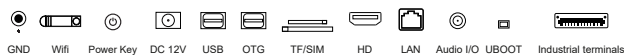
Features

- Industrial aesthetic design, independent mold opening
- Aluminum alloy - body die casting, efficient heat dissipation
- Self-developed ARM architecture industrial motherboard
- Pure flat panel IP65 dust-proof and waterproof
- Comply with EMC anti-electromagnetic interference standard
- Provide SDK package and support secondary development

CPU	fanless cooling	SDK package	IP65 Protection	Expand interface	7*24H operation
RK3288 1.8GHz					

ISO FC CE CCC RoHS 10

Product Model

Product Size	10.1"
Non-touch	APC101-A500
Capacitive touch	APC101-A510
Resistive touch	APC101-A520

Product Interface

| GND | Wifi | Power Key | DC 12V | USB | OTG | TF/SIM | HD | LAN | Audio I/O | UBOOT | Industrial terminals |

Product Specifications

Screen Parameters

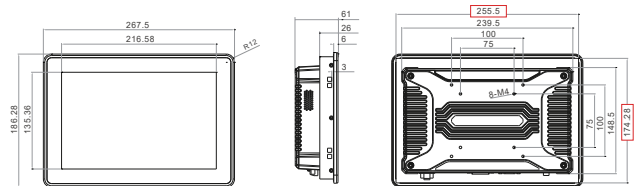| LCD size	10.1" TFT LCD
Resolution	800*1280
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

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	RK3288, Cortex-A17 quad-core, 1.8GHz
Memory	2G DDR3 (Optional: 4G/8G)
Storage	16G eMMC (Optional: 32G/64G)
GPU	Mali-T764
Operating system	Standard configuration: Android 7.1, Optional Android 10.0/12.0, Linux4.4/Ubuntu 18.04/Debian10.0/linux4.4+QT

Product Size

Physical Characteristics

Overall dimensions	W267.5X H186.28X D61MM
Size of opening	W257.5X H176.28MM

Interface Parameters

Power interface1	2*Industrial terminals, Supporting 12V power input
Power interface2	1*DC2.1, Supporting 12V power input
USB	1*USB HOST, 1*USB OTG
TF	Support TF expansion card (1*TF card slot)
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
Network interface	1*LAN, 10M/100M/1000M adaptive Ethernet
Audio interface	1*Audio I/O, Support audio input and output
Reset key	Support (1*UBOOT)
WiFi antenna	1*WiFi antenna

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
Static power	18W

Broad pressure	Supporting 12V power input
WiFi	2.4GHz
Bluetooth	BT4.2
Other support	RTC real-time clock and timing switch