

TPC185-A26

The ultra-thin series Android Panel PC with slim frame and VESA holes design enables wall mounted, desktop, cantilever mounted installation. It is made of self-developed industrial ARM board with RK3568 processor and supports 24h stable operation in different environments. The slim design and IP65 front to satisfy commercial and industrial applications such as Self-service terminals, Smart city, Automation, Machinery, Transportation, IoT, Energy management, etc.

Features

- Aluminum alloy frame, VESA mount
- Fanless, excellent heat dissipation design
- Capacitive multi touch
- RK3568 Quad-core high-performance CPU clocked at 2.0GHz
- Built-in independent NPU with 1TOPS AI
- Provide SDK package, Support secondary development and upgrade customization



Model

Product size	18.5"
Non-touch	TPC185-A2600
Capacitive touch	TPC185-A2610
Resistive touch	TPC185-A2620

I/O Interface



Specification

Screen Parameter

Display type	18.5" TFT LCD screen
MAX.resolution	1920*1080(16:9)
Viewing angle(H/V)	89/89/89/89 (L/R/U/D)
Luminance (cd/m²)	300 cd/m²
Contrast ratio	1000:1

Touch Parameter

Touch type	Projection capacitive touch 10-point multi touch	Resistive touch Single point	Non-touch
Transmittance	≥88%	≥78%	≥92%
Touch object	Hand or capacitive touch pen	Fingertip or stylus	/
Protocol/Interface	USB (COM customized)	USB (COM customized)	/

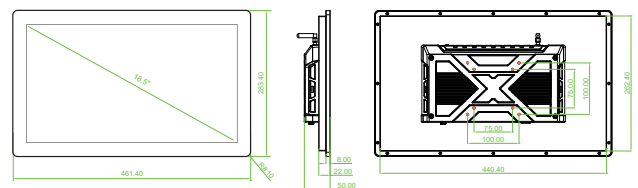
Power Parameter

Power input	DC 12V-36V
Power adapter	24V/2.5A

Configuration

CPU	RK3568, Quad-core 64-bit Cortex-A55 , Up to 2.0GHz	Wi-Fi	Wi-Fi 6, Single Band 2.4GHz
Memory/RAM	2GB DDR4 (Supports up to 4GB)	Bluetooth	BT5.2
Storage	32GB EMMC (Supports up to 256GB)	Watchdog Timer	Support
NPU	Built-in NPU with 1TOPS AI	RTC real time clock	Support
Operating system	Android12/14, Linux5.10/Ubuntu20.04/Ubuntu22.04/Debian11	Timer switch	Support

Dimension



Physical Characteristic

Overall dimensions	W461.4x H283.4x D50mm
Installation size	W442.4x H264.4mm
Material	Aluminum alloy
Color	Front panel is silver color, center panel and back cover are black color
Installation	Support Back hanging/Wall-mounted/Desktop/VESA mount/ Suspended mounting, etc.

Interface Parameter

PowerSW	1*PowerSW
Power input	1*Threaded DC connector (Diameter 5.5*2.1mm)
USB	2*USB3.0
TF	1*TF card
HDMI	1*HDMI output, up to 4K
SIM	1*SIM (must be work with 3G/4G/5G module)
Ethernet	1*LAN, 10M/100M/1000M adaptive ethernet
Audio	1*Audio I/O
Serial port	1*COM (The default is RS232, optional RS485/RS422)
Reset key	1*UBOOT
Wi-Fi antenna	1*Wi-Fi antenna
Speaker	2*(8Ω2W)
Grounding	1*GND

Reliability Parameter

Operating temperature	-10°C~60°C (-20°C~70°C can be customized)
Storage temperature	-20°C~70°C
Relative humidity	95% non-condensing