

PPC-101E



Allwinner A40 Cortex™ QuadCore Processor

Cortex™ A7 Chipset

1 GB DDR3 RAM; 8 GB NAND FLASH

10.1" LCD with 1280 x 800 Resolution

Projected Capacitive 10-Point Multitouch Touchscreen

Optional Bluetooth & GPS

Internal Connectors

- 2x Serial
- 4x TTL UART
- 2x USB 2.0
- 18/24Bit LVDS
- 24x GPIO
- 1x Line-In
- 1x Line-Out
- 1x Amplifier for 2x 6W loudspeaker
- 1x SATA-Port
- 1x RTC

External Connectors

- 8-18V DC-IN, screwable
- 2x USB 2.0
- 1x USB OTG
- 1x Serial
- 1x— 10/100/1000Mbit RJ45 Ports with connector for POE
- 1x Audio-In
- 1x Audio-Out
- 1x SD-card
- 1x SIM-card
- 1x W-LAN-connector (802.11 b/g/n wi-fi adapter onboard)
- 1x HDMI

Expansion Slots

- 1x MiniPCIE

The Embedded Touchscreen Series is the cost effective solution for machine control, automation, IOT Monitoring and digital signage. By including pre-installed Android or Linux, a powerful Allwinner A20 Dual Core CPU, numerous interfaces such as USB, serial, network(wired Gigabit LAN with POE, and 802.11 b/g/n Wifi), TTL / UART, Mini-PCIE, HDMI, VGA, GPIO, LVDS and Wide voltage DC-IN. With optional Bluetooth Cellular Modem or GPS connectivity available. Each panel comes with LED backlighting and is backed by warranty for pixel accuracy. The design of the Embedded Touchscreen series follows the application: flat easy to integrate IP65 front and stable rear housing with VESA-75/100 mounting for fixing / integration. A really cool new Embedded Touchscreen Series is our most cost-effective solution for intelligent machine control, and like all reliably touch devices built for precision and durability.

Specifications
Panel type:

Embedded CPU
Processor

Processor:

Allwinner A40 Cortex™ A7 Quad-Core

Clock Speed:

1 GHz

Real Time Clock:

Processor Misc.:

Optional Processor Allwinner A20 Cortex™ A7 Dual-Core

Memory

Primary Flash:

8GB Nand Flash

Secondary Flash:

SD card

Memory Misc.:

Optional memory options (Built to Order options):

2G RAM, 1G Standard

4G to 16G Flash, 8G Standard

Primary I/O

SLIC.

1 x SDIO SD Port

Video Out:

HDMI

Audio:

Integrated HI-FI 100dB Audio Codec

Dual analog mic

2x 3W amplifier

Ethernet:

1x 10/100/1000 BaseT Gigabit Ethernet port (supporting POE)

USB:

2x USB 2.0

Serial Ports:

1x serial

Watchdog:

Primary I/O Misc.:

External IO connectors:

2x USB 2.0

1x USB OTG

1x Serial

1x—10/100/1000Mbit RJ45 Ports with connector for POE

1x Audio-In

1x Audio-Out

1x SD-card

1x SIM-card

1x W-LAN-Antenna connector (802.11 b/g/n wi-fi adapter onboard)

1x HDMI

Secondary I/O

LPT Port:	
Keypad:	
PS/2:	
Secondary I/O Misc.:	
Internal IO (not externally accessible, without modifications)	
2x Serial	
4x TTL UART	
2x USB 2.0	
18/24Bit LVDS	
24x GPIO	
1x Amplifier for 2x 6W loudspeaker	
1x SATA-Port	
1x RTC	
Expansion Bus:	
1x Full-size Mini PCI-E	
Bus Misc.:	
Optional Expansion: (build to order options)	
Bluetooth 4.0 adaptor	
GPS-module	
Analog A/D:	
D/A:	
Dimensions Dimensions:	
10.87 × 7.56 × 1.34 in	
Weight:	
2 kg	
Power Requirements Power Misc.:	
Working Power 8~18V or POE+	
Power Consumption 18W	
Stand-By Consumption <0.5W	
Environmental Low Operating Temperature:	
-25 C	
High Operating Temperature:	
75 C	
Upper Operating Humidity:	
90%	
Pricing Product variations:	
PPC-101E-0	
10.1" AllWinner 1GHz Dual-Core, 1GB RAM, 8GB NAND Flash, 1x COM, 2x USB2, 1x GbE(POE), WIFI, HDMI, Android (-20 to 70*C)	
\$404.00	

Order:

0

Parent Product:

PPC-100E

10" AllWinner 1GHz Dual-Core, 1GB RAM, 8GB NAND Flash, 1x COM, 2x USB2, 1x GbE(POE), WIFI, HDMI, Android (-20 to 70*C)

\$373.00

Order:

0

Parent Product:

Disk Interface:

SD CARD

Source URL: <https://www.emacinc.com/content/ppc-101e>