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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

Android 4.2, 4.4 & Linux Support, WinCE BSP aviliable (based on project)

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 aviliable. 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 PC Type:

Enclosed PPC

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

SDIO:
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 accessable, 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

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