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PPC-080E



Allwinner A40 Cortex™ QuadCore Processor

Cortex™ A7 Chipset

1 GB DDR3 RAM; 8 GB NAND FLASH

8" LCD with 1024 x 768 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 A40 Cortex™ A7 Dual-Core

Memory

RAM Type:

DDR3 RAM

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

SATA drive optional

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) Antenna included.

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 Line-In

1x Line-Out

1x Amplifier for 2x 6W loudspeaker

1x SATA-Port

1x RTC

Expansion

Bus:

Mini-PCIe

Bus Misc.:

Optional Expansion: (build to order options)

Bluetooth 4.0 adaptor

GPS-module

3G/4G Cell modem

Analog

A/D:

D/A:

Dimensions

Dimensions:

7.91 × 6.32 × 1.4 in

Weight:

1.4 kg

Power Requirements

Power Misc.:

Working Power 8~18V or POE+ (POE Optional)

Power Consumption 7W

Stand-By Consumption <0.5W

12V DC power supply included.

Environmental

Low Operating Temperature:

-10 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Pricing

Product Variations:

PPC-080E-0

8" AllWinner A40 1GHz Quad-Core, 1GB RAM, 8GB NAND Flash, 1x COM, 2x USB2, 1x GbE, WIFI, HDMI, Android (-10 to 60*C)

$325.00

Order:

0

Parent Product:

Disk Interface:

SD CARD

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