UNO-1110

TI Cortex AM3505 DIN-Rail PC with 2 x LAN, 5 x COM, 4 x USB



Features

- TI Cortex A8 AM3505 600 MHz processor
- 256 MB DDR2 on board
- 4 x RS-232/422/485, 1 x RS-485 serial ports
- Dual 10/100 Mbps Ethernet
- 2 x SD card slots
- Windows® CE 6.0 Ready Platform and optional uClinux OS support
- Included Advantech DaigAnywhere for easy remote configuration & diagnosis
- DIN-rail and Wallmounting Options
- Onboard system & LED indicators
- Supports Microsoft .NET compact framework 3.5
- Fanless and no internal cabling design
- System/Field ground isolation









Advantech's UNO-1110 series are RISC-grade embedded platforms that offer up to 2 LAN ports, 5 serial ports and 2 SD card slots. The UNO-1110 series also come with Windows CE 6.0/Linux OS, offering an integrated image. Additionally, the UNO-1110 series operate at temperatures between -10 ~ 70°C, and their small size and lightweight design allows it to be installed in tight industrial environments. The UNO-1110 series are excellent communication gateways for converting communication protocols. I/O control, and data storage in the industrial field.

Specifications

General

Certification Dimensions (W x H x D)

Enclosure Mounting

Industrial Grounding Power Consumption

Weight

System Design Fanless design with no internal cabling

System Hardware

CPU Memory Display

TI Cortex A8 AM3505 600 MHz Onboard 256 MB DDR2 DB15 VGA connector, up to 1024 x 768

CE, FCC Class A, UL, CCC

DIN-rail, Wallmount

50 x 154 x 127 mm (1.9" x 6.1" x 5")

Aluminium with solid mounting hardware

Isolation between chassis and power ground 10 ~ 30 V_{DC} (13 W), AT, ground isolation, dual power inputs.

Indicators Power, Serial (Tx, Rx), SD

4 x DI/2 x D0 4 x programmable LED

Storage 2 x SD card slots (one for boot and another for data storage) Realtime clock, Watchdog timer Other

1 x card slot (reserved for project and will only have 1 x SD 1 x Mini PCle card slot (Signal Protocol: USB Differential) Expansion

*Note: up to 512MB DDR2 (reserved for project)

System Software

Operating System Remote Management WinCE 6.0/ Linux

Built-in Advantech DiagAnywhere agent on Windows

I/O Interface

Serial Ports

4 x RS-232/422/485**, 1 x RS-485 *COM3,4 optional isolation by project Automatic RS-485 data flow control, DIP Switch configuration

Serial Port Speed

IAN USB

RS-422/485: 300 ~ 115.2 kbps (Max) 2 x 10/100Base-T RJ-45 ports 4 x USB 2.0 4 x Digital Inputs** Digital Input Dry contact

Logic level 0: Open Logic level 1: Close

RS-232: 300 ~ 115.2 kbps

Digital Output

2 x Digital Outputs** *Optional isloation by project Open Collect to 30 V

200 mA max Load, power dissipation 450mW ***Audio Line-out reserved for project

Environment

Ingress Protection Operating Temperature

Storage Temperature **Operating Humidity** Storage Humidity

Shock Protection **Vibration Protection**

-10 ~ 70°C (14 ~ 158°F) -40 ~ 80°C (-4 ~ 176°F) 20 ~ 95% (non-condensing) 20 ~ 95% (non-condensing) Half-sine wave, 30G, 11ms Random 1Grms

Accessories

1757002321 1702002600

63WC to DC UNO series power adapter (Industrial Grade) Power Cable US Plug 1.8 M (Industrial Grade) Power Cable EU Plug 1.8 M (Industrial Grade) Power Cable UK Plug 1.8 M (Industrial Grade) 1702002605 1702031801 1700000596 Power Cable China/Australia Plug 1.8 M (Industrial Grade) Fower Cable 3-pin UK type 1.8 M (Commercial Grade)
Power Cable 3-pin US type 1.8 M (Commercial Grade)
Power Cable 3-pin EU type 1.8 M (Commercial Grade)
Power Cable 3-pin EU type 1.8 M (Commercial Grade)
Power Cable 3-pin UK type 1.8 M (Commercial Grade) PWR-249-AE 1700001524 170203183C 170203180A

Embedded OS & Automation Software

Image WinCE 6.0 Eng. V3.04 B304 for UNO-1110 Image WinCE 6.0 TC for UNO-1110-R11AE Image WinCE 6.0 KR for UNO-1110-R11AE 2070012469 2070012067 2070012070 2070012071 Image WinCE 6.0 JP for UNO-1110-R11AE Image WinCE 6.0 SC for UNO-1110-R11AE

Ordering Information

UNO-1110-R11AE

PCLS-DIAGAW10 SQF-ISDS1-1G-86E 2070012539

TI Cortex AM3505 600MHz DIN-rail PC UNO-1110 with WinCE 6.0 (English), 1GB SD Card Advantech Remote Monitoring & Diagnosis Utility 1GB SLC SD Card (-40 ~ 85° C) UNO-1110 Linux MUL Image

Online Download www.advantech.com/products

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