UNO-1172A/AE

Intel® Atom™ D510 DIN-rail PCs with 3 x LAN, 2 x COM, VGA, Mini PCIe, PC/104+

Introduction

The UNO-1172A/AE are Intel Atom DIN-rail PCs with innovative system diagnostic features. The system diagnosis and remote power control through digital input lines enable users to control and monitor system status remotely. They also provide alarm notices including over temperature, over voltage, battery power fail, power status on both system onboard LED and digital output. Three Gigabit Ethernet interfaces with teaming function support allow users to uplink two ports with data transmit fault tolerance and downlink one port to field devices. Their compact size, small foot print, front accessible I/Os allow convenient wiring and easy installation in field cabinets as well.

Specifications

General
- Certification: CE, FCC Class A, UL, CCC
- Dimensions (W x H x D): UNO-1172A: 85.5 x 152 x 139 mm (3.4" x 6.0" x 5.5")
  UNO-1172AE: 111 x 152 x 139 mm (4.4" x 6.0" x 5.5")
- Enclosure: Aluminium + SECC
- Mounting: DIN-rail, Wallmount
- Power Consumption: 24 W (Typical)
- Power Requirement: 10 - 36 VDC (e.g. +24 V @ 2 A) (Min. 48 W), AT/ATX power mode by Jumper selection and BIOS AT simulation (support system reboot automatically after power recovery)
- Weight: UNO-1172A: 1.6 kg
  UNO-1172AE: 2.9 kg
- OS Support: WIN-CE 5.0/6.0, Linux, QNX, WES Windows XP Embedded, Windows XP & Windows 7
- System Design: Fanless design with no internal cabling
- Remote Management: Built-in Advantech DiagAnywhere agent on Windows CE / XP

I/O Interface
- Serial Ports: 2 x RS-232/422/485 with DB9 connectors, automatic RS-485 data flow control
  2 x RS-232 (Optional, pin header)
  2 x RS-232/485: 50 – 115.2 kbps
- Serial Port Speed: RS-232: 50 – 115.2 kbps (Max)
- LAN: 3 x 10/100/1000Base-T RJ-45 ports (supports Wake on LAN, built-in boot ROM)
  4 x USB, EHCI, Rev. 2.0 compliant
- USB: 2-ch. wet/dry contact, 70 Vdc over-voltage protection, 0 – 50 Vdc input range and Interrupt handling
- Digital Input: 6-ch Do: 200 mA max/channel sink current
  - Keep output status after system hot reset
- Digital Output: 6 – 40 Vdc output range and 10 kHz speed
- System Diagnoses: Remote monitoring: over system temperature, over voltage, battery power fail, power status
- Remote control: Power On/Off, Reset

Environment
- Ingress Protection: IP40
- Operating Temperature: (IEC 60068-2-1, 100% CPU/ I/O loading)
  -10 – 65°C (14~149°F)
- Storage Temperature: -20 – 80°C (-4 ~ 176°F)
- Operating Humidity: 20 – 95% (non-condensing)
- Storage Humidity: 0 – 95% (non-condensing)
- Shock Protection: IEC 60068-2-27
  CompactFlash: 50 G @ wall mount, half sine, 11 ms
  HDD: 20 G @ wall mount, half sine, 11 ms
- Vibration Protection: IEC 60068-2-64 (Random 1 Oct/min, 1hr/axis.)
  CompactFlash: 2 Grms @ 5 – 500 Hz,
  HDD: 1 Grms @ 5 – 500 Hz

Ordering Information
- UNO-1172A-A33E: Intel Atom D510 1.66 GHz, 2 GB RAM DIN-rail PC
- UNO-1172AE-A33E: Intel Atom D510 1.66 GHz, 2 GB RAM DIN-rail PC
  w/PC/104+

Accessories
- UNO-FPM11-BE: Advantech Remote Monitoring & Diagnosis Utility

Online Download: www.advantech.com/products