UNO-2172

Intel® Pentium® M/Celeron® M Fanless Box PC with 2 x GbE, 4 x COM, DVI



Features

- Onboard Pentium[®] M 1.6 GHz, Celeron[®] M 1.5 GHz or Celeron M 1.0 GHz
- Onboard 512 KB battery-backup SRAM
- 2 x RS-232 and two RS-232/422/485 ports with automatic flow control
- 2 x 10/100/1000Base-T Ethernet
- DVI-I supports dual display
- Audio with Mic in, Line in, Line out
- Two USB and one type I/II PC card
- PCI-104 expansion
- Windows® XP Embedded SP2 ready solution
- Supports SATA-1 HDD and external SATA 1.0 devices .
- Onboard system status LED indicators
- Supports Wake on LAN and Boot from LAN function
- Fanless design with no internal cabling

Introduction

UNO-2172 is a high-performance Pentium grade controller that supports PCI-104 expansion, serial communication ports and several other networking interfaces. UNO-2172 supports Windows XP Embedded OS, which offers a pre-configured image with optimized onboard device drivers. Windows XP Embedded delivers the power of the Windows operating system in componentized form. You can seamlessly integrate your applications into Windows XP Embedded and speed up your system development with an application ready platform that can provide a rich networking interface to fulfill diverse requirements.

Specifications

General

- Certifications CE, FCC class A, UL, CCC
- Dimensions (W x D x H) 255 x 152 x 69 mm (10" x 6.0" x 2.7")
- Enclosure
- Mounting
- Power Consumption
- Power Requirements Min. 48 W (9 ~ 36 V_{DC}) (e.g +24 V @ 2 A), ATX 3 ka

Aluminum

Wallmount

45 W (Typical)

- Weight
- OS Support Windows XP Embedded, Windows 2000/XP, Linux

System Hardware

- CPU Pentium M 1.6 GHz, Celeron M 1.5 GHz 1 GB DDR2 SDRAM Memory LEDs for Power, IDE, Alarm for battery backup SRAM, Indicators LAN (Active, Status) and Serial (Tx, Rx) Battery Backup SRAM 512 KB Keyboard/Mouse 1 x PS/2 PC Card 1 x PC Card slot, supports CardBus (Card-32) Card and 16-bit (PCMCIA 2.1/JEIDA4.2) card Supports +5 V, +3.3 V PC/104 Slot PCI-104 slot, supports +5 & 3.3 V Power SSD: 1 x internal type I/II CompactFlash® slot Storage HDD: Build-in one 2.5" SATA/IDE HDD bracket Display DVI-I supports DVI and VGA for dual display Audio Mic in, Line in, Line out SATA 1 x internal, 1 x external SATA 1.0 Watchdog Timer Programmable 256 levels timer interval, from 1 to 255 sec

I/O Interface

Env

 Serial Ports 	2 x RS-232, 2 x RS-232/422/485 with DB9 connectors
	Automatic RS-485 data flow control
 Serial Port Speed 	RS-232: 50 ~ 115.2 kbps
	RS-422/485: 50 ~ 921.6 kbps (Max.)
- LAN	2 x 10/100/1000Base-T Ethernet (supports wake on
	LAN and built-in boot ROM in flash BIOS)
	RJ45 ports
 USB Ports 	2 x USB, EHCI, Rev. 2.0 compliant
Environment	

- Humidity 95% @ 40° C (non-condensing) • Operating Temperature -20 ~ 50° C (-4 ~ 122° F) @ 5 ~ 85% RH. (for UNO-2172-C22E and UNO-2172-P22E) -20 ~ 60° C (-4 ~ 131° F) @ 5 ~ 85% RH. (for UNO-2172-C11E) Shock Protection IFC 68 2-27 CompactFlash: 50 G @ wall mount, half sine, 11 ms HDD: 20 G @ wall mount, half sine, 11 ms Vibration Protection IEC 68 2-64 (Random 1 Oct./min, 1hr/axis.) CompactFlash: 2 Grms @ 5 ~ 500 Hz, HDD: 1 Grms @ 5 ~ 500 Hz

Ordering Information

- UNO-2172-C22E
- UN0-2172-P22E Pentium M 1.6 GHz, 1 GB RAM Fanless Box PC

Accessories

- UNO-PCM22-AE
- UNO-FPM21-AE
- 2 x PC/104 expansion kit for UNO-2100 series UNO-2000 series VESA mount kit

Celeron M 1.5 GHz, 1 GB RAM Fanless Box PC