UNO-3282

Intel® Core 2 Duo UNO with 2 x PCI, 2 x GbE

NEW

Features

- Onboard Core 2 Duo 1.5 GHz processor
- Onboard 512 KB Battery- backup SRAM
- 2 x RS-232 and 2 x RS-232/422/485 ports with automatic flow control
- 2 x 10/100/1000 Base-T Ethernet ports
- 2 x PCI-bus expansion slot for versatile applications
- Support Line-in and Line-out with Audio interface
- Both DVI-D and VGA display to support Dual Display output
- Windows® XP Embedded ready solution
- Onboard system & I/O LED indicators
- Support Wake On LAN and Boot From LAN function
- Fanless and no internal cabling design

Introduction

Advantech's UNO-3200 series is high-performance Core 2 Duo grade, embedded automation computer with two PCI expansion slots. UNO-3200 features a rugged design with Giga LAN and battery backup SRAM. Different from general industrial PCs, UNO-3200 series is more compact and reliable with Fanless/Cableless/Diskless design. They are open platforms which can fulfill any demanding requirement from the industrial field, and it is an ideal solution for industrial automation and control. UNO-3200 series provide embedded operating system with a pre-configured image that has optimized onboard device drivers, and support Windows XP Embedded to fulfill the toughest requirements for complete functionality and high reliability.

Specifications

General

- **Certifications**   CE, FCC class A, UL, CCC
- **Dimensions (W x D x H)** 200 mm x 240 mm x 130 mm (7.9" x 9.4" x 5")
- **Enclosure**   Alumium
- **Mounting**   Built-in Wall/Desktop mounting kit
- **Power Consumption** 100 W
- **Power Input**   9 ~ 36 V_{DC} (e.g +24 V @ 5 A), ATX
- **Weight**   5.5 Kg
- **OS Support**   Windows XP Embedded, Windows 2000/XP/ Vista, Linux

System Hardware

- **CPU**   Intel Core 2 Duo 1.5 GHz
- **Memory**   1GB DDR2 SDRAM
- **Battery Backup SRAM**   512 KB
- **Indicators**   LED for Power, Power Standby, IDE LED; 4 COM ports Tx/Rx, 2 LAN ports Tx/Rx, 4 user define LED and alarm for BatteryBackup
- **Keyboard/Mouse**   2 x PS/2 connector for Keyboard& Mouse
- **Audio**   Line in, Line out
- **Expansion Slots**   2 x PCI V2.2 (Note: The heat dissipation in the PCI cards may affect thermal performance)
- **PCI Slot Power**   12 V @ 2.5 A, -12 V @ 0.8 A, +5 V @ 4 A, +3.3 V @ 3 A
- **Storage**
  SSD   1 x internal type I/II CompactFlash® slot
    1 x external type I/II CompactFlash slot
  HDD   2 x SATA 1.0 2.5" HDD (option)
- **Display**   Support to 1600 x 1200 @ 85 Hz VGA + DVI-D, support dual display
- **Watchdog Timer**   Programmable

Communication

- **Clock**   Battery-backup RTC for time and date
- **LAN**   2 x 10/100/1000Base-T RJ-45 ports (using Intel 82573L chip, supports Wake On LAN function and built-in boot ROM in flash BIOS)
- **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: 50bps ~ 115.2 kbps
    RS-422/485: 50bps ~ 921.6 kbps (Max)
- **USB**   5 x USB, USB EHCI, Rev. 2.0 compliant (1 is for USB dongle and USB flash inside chassis)

Environment

- **Humidity**   95% @ 40° C (non-condensing)
- **Operating Temperature (with CF card)**   -20 ~ 60° C
- **Shock Protection**   IEC 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: 5 Gms @ 5 ~ 500 Hz
    HDD: 1 Gmx @ 5 ~ 500 Hz

Ordering information

- **UNO-3282-D12E**   Core 2 Duo 1.5 GHz, 1 GB RAM UNO-3282
- **UNO-HD32-AE**   2.5" HDD disk bay for UNO-3200 series