UNO-3282/3272

Intel® Core™ 2 Duo/Celeron® M Fanless Box PC with PCI/PCIe, 2 x GbE, 4 x COM, DVI

NEW

Features

- Onboard Core 2 Duo 1.5 GHZ/Celeron M 1.86 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 10/100/1000Base-T Ethernet ports
- One PCIe x 1 plus One PCI or Two PCI expansion slot for versatile applications
- Supports line-in and line-out with audio interface
- Both DVI-D and VGA displays to support dual display output
- Windows® XP Embedded ready solution
- Onboard system & I/O LED indicators
- Supports Wake on LAN and Boot from LAN function
- Fanless design with no internal cabling

Windows Embedded | RoHS COMPLIANT 2002/95/EC | CCC | CE | FCC | cULus LISTED E180881 I.T.E.

Introduction

Advantech's UNO-3200 series is high-performance Core 2 Duo Fanless Box PC with two PCI expansion or PCIe x 1 plus PCI slots. UNO-3200 features a rugged design with Gigabit LAN and battery backup SRAM. Different from general industrial PCs, UNO-3200 series is more compact and reliable with a fanless, cableless and 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 supports 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 x 240 x 130 mm (7.9" x 9.4" x 5")
- **Enclosure** — Alumium
- **Mounting** — Wall/Desktop
- **Power Consumption** — 100 W
- **Power Requirements** — 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 L7400 1.5 GHz, Celeron M 440 1.86 GHz
- **Memory** — 1GB DDR2 SDRAM
- **Battery Backup SRAM** — 512 KB
- **Indicators** — LED for Power, Power Standby, HDD 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** — One PCIe x 1 + one PCI Replacable 2 x PCI V2.2 viser board included
  (Note: The heat dissipation in the PCI cards may affect thermal performance.)
- **PCI/PCIe Slot Power** — PCI: 12 V @ 2.5 A, -12 V @ 0.8 A, +5 V @ 4 A, +3.3 V @ 3 A
  PCIe: 12 V @ 2.5 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 — Two built-in 2.5" SATA/IDE HDD brackets

- **Display** — Supports up to 1600 x 1200 @ 85 Hz
  VGA + DVI-D, support dual display
- **Watchdog Timer** — Programmable 256 levels timer interval, from 1 to 255 sec

Communication

- **Clock** — Battery-backup RTC for time and date
- **LAN** — 2 x 10/100/1000Base-T RJ-45 ports (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)** — UNO-3282-D12E: -20 ~ 60° C (-4 ~ 140° F)
  UNO-3272-C32E: -20 ~ 50° C (-4 ~ 122° F)
- **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 Grms @ 5 ~ 500 Hz
  HDD: 1 Grms @ 5 ~ 500 Hz

Ordering Information

- **UNO-3282-D12E** — Core 2 Duo 1.5 GHz, 1 GB RAM Fanless Box PC
- **UNO-3272-C32E** — Celeron M 1.86 GHz, 1 GB RAM Fanless Box PC