

UNO-2182

Intel® Core Duo™ UNO
w/2 x LAN, 4 x COM, DVI

NEW



Features

- Onboard Core 2 Duo 1.5 GHz
- Provides 512KB 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

Introduction

UNO-2182 is a high-performance Core Duo grade controller that supports PCI-104 expansion, serial communication ports and several other networking interfaces. UNO-2182 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
- **Dimensions (W x D x H)** 255 x 152 x 69 mm (10" x 6.0" x 2.7")
- **Enclosure** Aluminum
- **Mounting** Wall
- **Power Consumption** 35 W (Typical)
- **Power Input** Min. 48 W (9 ~ 36 V_{DC}) (e.g. +24 V @ 2 A), ATX
- **Weight** 3 kg
- **OS Support** Windows XP Embedded, Windows 2000/XP

System Hardware

- **CPU** Core 2 Duo 1.5 GHz
- **Memory** 1 GB DDR2 SDRAM
- **Indicators** LEDs for power, IDE, alarm for RAM backup battery
- **Battery Backup RAM** 512KB
- **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 +5V, +3.3V
- **PCI-104** PCI-104 slot
- **Storage** SSD: 1 x internal type I/II CompactFlash® slot
HDD: 1 x standard 2.5" HDD (PATA or SATA)
- **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

Communications

- **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 RJ45 ports
- **USB Ports** 2 x USB, UHCI, Rev. 2.0 compliant

Environment

- **Humidity** 95% @ 40° C (non-condensing)
- **Operating Temperature** -10 ~ 60° C (14 ~ 140° F) @ 5 ~ 85% RH.
- **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: 2 Grms @ 5 ~ 500 Hz,
HDD: 1 Grms @ 5 ~ 500 Hz

Ordering Information

- **UNO-2182-D12E** C2D 1.5G, 1 GB RAM UNO-2182

Accessories

- **UNO-PCM22-AE** 2 x PC/104 expansion kit
- **UNO-FPM21-AE** UNO & FPM integration kit