UNO-2184G

Intel® Core™ i7-2655LE Automation Computer with 4 x LAN, 2 x Mini PCIe, DVI/DP/HDMI

Features

- Onboard Intel Core i7-2655LE 2.2GHz processor
- 2 x RS-232 and 2 x RS-232/422/485 ports with automatic flow control
- 4 x 10/100/1000 Base-T Ethernet
- DVI-I, DP, HDMI support 3 x concurrent displays
- Audio with Mic in, Line in, Line out
- 6 x USB 2.0 ports
- Supports plug-in cards (1 x PCI-104 and 1 x PC/104+) with daughterboard expansion
- Windows® WES 2009, WES 7 ready solution
- Front-accessible CFast slot
- Onboard system status LED indicators
- Supports wake on LAN and boot from LAN function
- Supports PoE Daughterboard
- Isolation between chassis and power ground
- IP40 ingress protection

Introduction

UNO-2184G is a high-performance Intel Sandy Bridge Core i7-2655LE grade controller that supports PCI-104 and PC/104+ with daughterboard expansion, 3 x display, 6 x USB, and 2 x Mini PCIe socket. They also feature WLAN, 3G expansion and compatibility with Windows 7. The 4 x Gigabit LAN on the UNO-2184G support Teaming function with fault tolerance, link aggregation, and load balance features. UNO-2184G also support PoE module for vision inspection to fulfill any graphic application.

Specifications

General

- **Certifications**   CE, UL, RoHS, CCC, CSA, FCC
- **Dimensions (W x D x H)**   255 x 152 x 69 mm (10" x 6.0" x 2.7")
- **Enclosure**   Aluminum
- **Mounting**   DIN-rail, Wallmount, VESA
- **Power Consumption**   40W (Typical)
- **Power Requirements**   9 ~ 36 V_{DC} (e.g +24V @ 3A) (Min. 72W), AT/ATX
- **Weight**   3.0kg
- **OS Support**   Windows XP, WES7, WES-2009, XPe, Linux, QNX
- **System Design**   Fanless with no internal cabling (except COM3/COM4)
- **Remote Management**   Built-in Advantech DiagAnywhere agent on Linux / WES2009 / WES7

System Hardware

- **CPU**   Core i7-2655LE 2.2GHz
- **Memory**   4GB DDR3 SDRAM built-in
- **Indicators**   LEDs for Power, battery, LAN (Active, Status) and Serial (Tx, Rx)
- **Keyboard/Mouse**   1 x PS/2
- **PC/104 Slot**   PCI-104 slot, supports +5 & 3.3V power
- **Storage**   CF: 1 x CFast slot
  HDD: Built-in one 2.5" SATA/IDE HDD bracket
- **Display**   1 x DVI-I, 1 x HDMI, 1 x DP, concurrent 3 x displays, 2 x independent
- **Audio**   Mic in, Line in, Line out
- **Watchdog Timer**   Programmable 256 levels timer interval, from 1 to 255 sec
- **Daughterboard (Additional purchase required)**
  - Expansion Slot   PC/104+ and PCI-104 support (+5 & 3.3V power)
  - PoE Module   Support 4 x independent IRQ

I/O Interfaces

- **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**   4 x Intel 10/100/1000 Base-T RJ45 ports (supports AMT,wake on LAN and built-in boot ROM in flash BIOS)
- **USB Ports**   6 x USB 2.0

Environment

- **Humidity**   95% @ 40°C (non-condensing)
- **Operating Temperature**   -10 ~ 60°C (14 ~ 140°F) @ 5 ~ 85% RH.
- **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-2184G-D44E**   Automation Computer, Core i7-2655LE 2.2GHz, 4GB RAM

Accessories

- **UNO-FPM21-AE**   UNO-2000 series VESA mount kit
- **968EMW0021**   Mini PCIe card for WLAN
- **1700001854**   SMA/I-PEX cable 11CM
- **1750003222**   5dBi Dipole Antenna
- **PCLS-DIAGAW10**   Advantech Remote Monitoring & Diagnosis Utility
- **UNO-PCM23-AE**   1 x PCI-104 and 1 x PC/104+ Expansion board