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UNO-2174G/GL
UNO-2184G

Intel® Celeron® Automation Computers with 4 x GbE, 2 x Mini PCIe, DVI/DP/HDMI

Intel® Core™ i7 Automation Computer with 4 x GbE, 2 x Mini PCIe, DVI/DP/HDMI



Features

- Onboard Intel Celeron 847E 1.1GHz/807UE 1.0GHz/Core i7-2655LE 2.2GHz/ i7-3555LE 2.5GHz processors
- 2 x RS-232 and 2 x RS-232/422/485 ports with automatic flow control
- 4 x 10/100/1000Base-T Ethernet
- DVI-I, DP, HDMI support 2 x independent displays
- Audio with Mic in, Line in, Line out
- 6 x USB ports
- Supports 2 x PCI-104 plug-in card with daughterboard expansion
- Windows® WES 2009, WES 7 ready solution
- External accessible CFast slot
- Onboard system status LED indicators
- Supports wake on LAN and boot from LAN function
- Supports Power eSATA
- Isolation between chassis and power ground
- IP40 ingress protection

Introduction

The UNO-2184G & 2174G/GL are high-performance Intel 3rd generation Core i7-3555LE/Intel 2nd generation core i7-2655LE/847E/807UE grade controllers that support PCI-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 LANs on the UNO-2184G support teaming function with fault tolerance, link aggregation, and load balance features. The UNO-2184G & 2174G/GL are high end computing platforms designed to support applications with tremendous data volume and 3D content.

Specifications

General

- **Certification** CE, UL, CCC, FCC, C-Tick, BSMI
- **Dimensions (W x D x H)** 255 x 152 x 69 mm (10" x 6.0" x 2.7")
- **Enclosure** Aluminum
- **Mounting** Stand, Wall mount, VESA (Optional)
- **Power Consumption** UNO-2174G/GL: 30 W/ 20 W (Typical), 89W (Maximum)
  UNO-2184G: 40 W (Typical), 101W (Maximum)
- **Power Input** 9 ~ 36 V_{DC}
- **Weight** 3.0 kg
- **OS Support** Windows XP/7, WES7, WES-2009, Linux
- **System Design** Fanless with no internal cabling (except COM3/COM4)

System Hardware

- **CPU** UNO-2174G: Intel Celeron 847E 1.1GHz
  UNO-2174GL: Intel Celeron 807UE 1.0GHz
  UNO-2184G: Intel Core i7-3555LE 2.5GHz/i7-2655LE 2.2GHz
- **Memory** UNO-2174G/GL: Built-in 4GB DDR3 SO-DIMM
  UNO-2184G: Built-in 4/8GB DDR3 SO-DIMM
- **Indicators** LEDs for Power, battery, LAN (Active, Status) and COM (Tx, Rx)
- **Keyboard/Mouse** 1 x PS/2
- **PC/104 Slot** PCI-104 slot, supports +5 & 3.3V power
- **Storage** 1 x CFast slot
  HDD: One built-in 2.5" SATA HDD bracket
  (Optional 2 x HDD Bracket Kit)
- **Display** 1 x DVI-I, 1 x HDMI, 1 x DP (2 x independent displays)
- **Audio** Mic in, Line in, Line out
- **Watchdog Timer** Programmable 255 levels timer interval, from 1 to 255 sec
- **Mini PCIe Expansion** 2 x Mini PCIe slots with 1 x SIM card

Daughterboard (Additional purchase required)

- **Expansion Slot** PCI-104 support (+5 & 3.3V power)

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 ~ 115.2 kbps (Max.)
- **LAN** 4 x 10/100/1000Base-T RJ-45 ports
  Supports AMT (UNO-2184G only), wake on LAN and built-in boot ROM in flash BIOS
- **USB Ports** 6 x USB (only UNO-2184G-D64E supports 2 x USB3.0)

Environment

- **Humidity** 95% @ 40°C (non-condensing)
- **Operating Temperature UNO-2174/2184** -10 ~ 60°C (14 ~ 140°F) @ 5 ~ 85% RH. (with air flow)
- **Storage Temperature** -40 ~ 60°C (-40~140°F)
- **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** Intel Core i7-2655LE 2.2 GHz, 4 GB RAM Automation Computer
- **UNO-2184G-D45E** Intel Core i7-2655LE 2.2 GHz, 8 GB RAM Automation Computer
- **UNO-2184G-D64E** Intel Core i7-3555LE 2.5GHz, 4 GB RAM Automation Computer
- **UNO-2174G-C54E** Intel Celeron 847 1.1 GHz, 4 GB RAM Automation Computer
- **UNO-2174GL-C44E** Intel Celeron 807UE 1.0 GHz, 4 GB RAM Automation Computer

Accessories

- **UNO-2000G-VMKAE** UNO & FPM integration VESA Mount kit
- **1750006043** Wi-Fi cable 15CM
- **1750002842** Antenna for Wi-Fi
- **PCLS-DIAGAW10** Advantech Remote Monitoring & Diagnosis Utility
- **UNO-PCM24-AE** 2 x PCI-104 expansion board
- **9656EWMG00E** Half size to full size Mini PCIe bracket
- **UNO-2184HD-AE** 2 x HDD Bracket accessory kit for UNO-2184G/2174G

All product specifications are subject to change without notice.

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