UNO-3000G Series

Intel Core i7/Celeron 800 series Automation Computers with 3/5 PCI(e) expansion slots, 2 Mini PCIe slots and 2 CFast sockets

NEW

Features

- Onboard Intel Celeron 847/807UE/Core i7-2655LE, 1.1 GHz/1.0 GHz/2.2 GHz processors
- 2 x RS-232/422/485 ports with automatic flow control and 2 x RS-232 pin head reserved
- 2 x 10/100/1000Base-T Ethernet
- DVI-I, HDMI support 2 x independent displays
- Audio with Mic in, Line out
- 9 x USB2.0 ports (1 x internal USB for dongle and flash drive)
- Windows® WES 2009, WES 7/8 ready solution
- Dual power input for power redundancy
- Onboard system diagnosis LED indicators
- Supports wake on LAN and boot from LAN function
- Isolation between chassis and power ground
- Front accessible dual HDD/SSD with onboard RAID 0/1 support

Introduction

The UNO-3000G series are configured with high-performance Intel® 2nd generation Core i7/Celeron 800 series processors and Couger Point-M QM67/ HM65 PCH, which supports 2 displays, 8 USB ports, 2 Mini PCIe sockets, 2 CFast Sockets and up to 5 expansion slots. They also feature two power inputs for redundancy and relay function for alarm handling, furthermore, two friendly front accessible HDD/ SSD bays to support RAID 0/1. Two Gigabit LANs on the UNO-3000G series support teaming function with fault tolerance, link aggregation and load balance features. The built-in intelligent BIOS to diagnose system status immediately via relay function or LED indication.

Specifications

General

- **Certification** CE, UL, CCC, FCC, BSMI
- **Dimensions (W x D x H)** UNO-3083G/3073G/GL: 148 x 238 x 177 mm (5.8" x 9.3" x 7.0")
  UNO-3085G: 193 x 238 x 177 mm (7.6" x 9.3" x 7.0")
- **Enclosure** Aluminium
- **Mounting** Wallmount, Stand mount, Panel mount
- **Power Consumption** UNO-3073GL: 25W (Typical)
  UNO-3073G: 35W (Typical)
  UNO-3083G/3085G: 45W (Typical)
- **Power Requirements** 12V ±20%/ 24V ±20% (e.g +24 V @ 5 A), AT/ATX power
  Jumper selection and BIOS AT simulation (support system reboot automatically after power recovery)
- **Weight** UNO-3083G/3073G/3073GL: 4.5kg
  UNO-3085G: 5.0kg
- **OS Support** Windows XP, Windows7/8, WES7, WES-2009, Linux
- **System Design** Fanless with no internal cabling (except COM1/COM2)
- **Remote Management** Built-in Advantech DiagAnywhere agent on WES2009/WES7

System Hardware

- **CPU** UNO-3073GL: Intel Celeron 807UE 1.0GHz
  UNO-3073G: Intel Celeron 847E 1.1GHz
  UNO-3083G/3085G: Intel Core i7-2655LE 2.2GHz
- **Memory** UNO-3073GL/3073G: 4G DDR3 SDRAM burn-in
  UNO-3083G/3085G: 4G DDR3 SDRAM burin-in
  (UNO-3073G/3083G/3085G can support up to 16G RAM by project)
- **Indicators** LEDs for Power, Battery, LAN(Active, Status), Serial communication(Tx, Rx) and User Defined
- **Storage**
  CF 2 x CFast slot
  HDD Two built-in 2.5" SATA HDD brackets with RAID 0/1 (except UNO-3073GL)
- **Display** 1 x DVI-I, 1 x HDMI (2 x independent displays)
- **Audio** Mic in, Line Out
- **Watchdog Timer** Programmable 256 levels timer interval, from 1 to 255 sec
- **Mini PCIe Expansion** 2 x Mini PCIe slots with 2 x SIM cards
- **PCI(e) Expansion** UNO-3083G/3073G: 1x PCIex16 slot and 2x PCI slots
  UNO-3085G: 2x PCIex8 slots and 3x PCI slots
  UNO-3073GL: 1x PCIex1 slot and 2x PCI slots
- **PCI Slot Power** 12 V @ 3 A, -12 V @ 0.8 A, +5 V @ 6 A, +3.3 V @ 6 A (total combined power consumption on the PCI slots should be less than 40W)

I/O Interface

- **Serial Ports** 2 x RS-232/422/485 with DB9 connectors, automatic RS-485 data flow control, 2 x RS-232 (optional)
- **Serial Port Speed** RS-232: 50 ~ 115.2 kbps
  RS-422/485: 50 ~ 115.2 kbps (Max.)
- **LAN** 2 x 10/100/1000Base-T RJ-45 ports
  Supports AMT (UNO-3083G/3085G only), wake on LAN and built-in boot ROM in flash BIOS
- **USB Ports** 9 x USB 2.0 (one internal)

Environment

- **Humidity** 95% @ 40°C (non-condensing)
- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F) @ 5 ~ 85% RH. (with air flow)
- **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: 0.5Grms@5~500Hz

Ordering Information

- **UNO-3083G-D44E** Intel Core i7-2655LE 2.2 GHz, 4 GB RAM, 1 x PCIex16 + 2 x PCI expansion slots
- **UNO-3085G-D44E** Intel Core i7-2655LE 2.2 GHz, 4 GB RAM, 2 x PCIex8 + 3 x PCI expansion slots
- **UNO-3073G-C54E** Intel Celeron 847 1.1 GHz, 4 GB RAM, 1 x PCIex16 + 2 x PCI expansion slots
- **UNO-3073GL-C44E** Intel Celeron 807UE 1.0 GHz, 4 GB RAM, 1 x PCIex1 + 2 x PCI expansion slots

Optional Expansion Type by Project Support

Model	Optional Expansion Type
UNO-3083G	2x PCIex8 slots and 1x PCI slot
UNO-3085G	1x PCIex16 slot and 4x PCI slots
UNO-3073G	2x PCIex8 slots and 1x PCI slot
UNO-3073G (same dimension with UNO-3085G)	1x PCIex16 slot and 4x PCI slots 2x PCIex8 slots and 3x PCI slots
UNO-3073GL	2x PCIex1 slots and 1x PCI slot
UNO-3073GL (same dimension with UNO-3085G)	2x PCIx1 slots and 3x PCI slots

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