

UNO-3073G/GL UNO-3075G/GL UNO-3083G, UNO-3085G

Intel® Celeron® Automation Computers
with 1 x PCIe x16, 2 x PCI, 2 x Mini PCIe,
DVI/DP/HDMI

Intel® Core i7 Automation Computers
with 2 x PCIe x8, 3 x PCI, 2 x Mini PCIe,
DVI/DP/HDMI

NEW



Introduction

UNO-3083G, 3085G, 3075G/GL and 3073G/GL are high-performance Intel 2nd generation Core i7-2655LE/847/807UE grade controllers that support 3 x display, 8 x USB, 2 x Mini PCIe socket and up to five expansion slots for PCI/PCIE16/8/4/1 expansion card. They also feature two power input for redundancy and two friendly front accessible HDD/SSD bays to support RAID 0/1. The 2 x Gigabit LANs on the UNO-3083G/UNO-3085GL support teaming function with fault tolerance, link aggregation, and load balance features.

Specifications

General

- **Certification** CE, UL, RoHS, CCC, CSA, FCC
- **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/3075G/GL: 193 x 238 x 177 mm (7.6" x 9.3" x 7.0")
- **Enclosure** Aluminium
- **Mounting** DIN-rail, Wallmount, VESA
- **Power Consumption** UNO-3073GL/3075GL: 20W (Typical)
UNO-3073G/3075G: 30W (Typical)
UNO-3083G/3085G: 40W (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/GL: 4.5 kg
UNO-3085G/3075G/GL: 5.0 kg
- **OS Support** Windows XP/7, 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/3075GL: Intel Celeron 807UE 1GHz
UNO-3073G/3075G: Intel Celeron 847 1.1GHz
UNO-3083G/3085G: Intel Core i7-2655LE 2.2 GHz
- **Memory** UNO-3073G/3075G/UNO-3073GL/3075GL: 4 GB DDR3 SDRAM built-in
- **Indicators** UNO-3083G/3085G: 4 GB/8 GB DDR3 SDRAM built-in
LEDs for Power, battery, LAN (Active, Status) and Serial (Tx, Rx), User Defined
- **Storage** CF 2 x CFast slot
HDD Two built-in 2.5" SATA HDD brackets with RAID 0/1
- **Display** 1 x DVI-I, 1 x HDMI, 1 x DP (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 1 x SIM card
- **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)

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, DP, HDMI support 2 x independent displays
- Audio with Mic in, Line out
- 8 x USB 2.0 ports
- Various expansion slot, PCI and PCIe16/8/4/1 support
- Windows® WES 2009, WES 7 ready solution
- Dual power input for power redundancy
- Onboard system status 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
- 1 x internal USB for dongle and flash drive

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: 1 Grms @ 5 ~ 500 Hz

Ordering Information

- **UNO-3083G-D44E** Intel Core i7-2655LE 2.2 GHz, 4 GB RAM, 3 x expansion slots
- **UNO-3085G-D44E** Intel Core i7-2655LE 2.2 GHz, 4 GB RAM, 5 x expansion slots
- **UNO-3073G-C54E** Intel Celeron 847 1.1 GHz, 4 GB RAM, 3 x expansion slots
- **UNO-3075G-C54E** Intel Celeron 847 1.1 GHz, 4 GB RAM, 5 x expansion slots
- **UNO-3073GL-C44E** Intel Celeron 807UE 1.0 GHz, 4 GB RAM, 3 x expansion slots
- **UNO-3075GL-C44E** Intel Celeron 807UE 1.0 GHz, 4 GB RAM, 5 x expansion slots

Expansion Board Table

	UNO-3083G/3073G	UNO-3085G/3075G	UNO-3073GL	UNO-3075GL
1x PCIe x16 + 2 x PCI	0	X	X	X
1x PCIe x16 + 4 x PCI	X	0	X	X
2x PCIe x8 + 1 x PCI	0	X	X	X
2x PCIe x8 + 3 x PCI	X	0	X	X
1x PCIe x1 + 2 x PCI	0	X	0	X
2x PCIe x1 + 3 x PCI	X	0	X	0