

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

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 Core i7-3555LE/i7-2655LE/Celeron 847E/807UE, 2.2GHz/1.1GHz/1.0GHz
- 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 USB ports (4 x USB 3.0, 1 x internal USB for dongle and flash drive)
- Windows® WES 2009, WES 7 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-3083G/3085G/3073G/3075G/3073GL are configured with high-performance Intel® Core i7/Celeron 800 series processors and QM77/ 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 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/3075G: 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-3083G/3085G: 45W (Typical)  
UNO-3073G/3075G: 35W (Typical)  
UNO-3073GL: 25W (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/3075G: 5.0kg
- OS Support** Windows XP, Windows 7/8, 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-3083G/3085G: Intel Core i7-3555LE 2.5GHz/i7-2555LE 2.2GHz  
UNO-3073G/3075G: Intel Celeron 847E 1.1GHz  
UNO-3073GL: Intel Celeron 807UE 1.0GHz
- Memory** 4G DDR3 SDRAM built-in  
(UNO-3083G/3085G/3073G/3075G 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  
HDD 2 x CFAST slot  
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 PCIe16 slot and 2x PCI slots  
UNO-3085G: 2x PCIe8 slots and 3x PCI slots  
UNO-3075G: 1x PCIe16 slot and 4x PCI slots  
UNO-3073GL: 1x PCIe1 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 (one internal, and 4x USB3.0 support on UNO-3083G-D64E/UNO-3085G-D64E)

### 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  
IEC 60068-2-64 (Random 1 Oct./min, 1hr/axis.)  
CompactFlash: 2 Grms @ 5 ~ 500 Hz,  
HDD: 0.5Grms@5-500Hz
- Vibration Protection**

## Ordering Information

- UNO-3083G-D64E** Intel Core i7-3555LE 2.5GHz, 4GB RAM, 1 x PCIe16 + 2 x PCI expansion slots
- UNO-3085G-D64E** Intel Core i7-3555LE 2.5GHz, 4GB RAM, 2 x PCIe8 + 3 x PCI expansion slots
- UNO-3083G-D44E** Intel Core i7-2655LE 2.2 GHz, 4 GB RAM, 1 x PCIe16 + 2 x PCI expansion slots
- UNO-3085G-D44E** Intel Core i7-2655LE 2.2 GHz, 4 GB RAM, 2 x PCIe8 + 3 x PCI expansion slots
- UNO-3073G-C54E** Intel Celeron 847E 1.1 GHz, 4 GB RAM, 1 x PCIe16 + 2 x PCI expansion slots
- UNO-3075G-C54E** Intel Celeron 847E 1.1GHz, 4GB RAM, 1 x PCIe16 + 4 x PCI expansion slots
- UNO-3073GL-C44E** Intel Celeron 807UE 1.0 GHz, 4 GB RAM, 1 x PCIe1 + 2 x PCI expansion slots

### Accessories

- UNO-SM83-AE** Stand mount kit for UNO-3000G series
- UNO-PM83-AE** Panel mount/wall mount kit for UNO-3000G series
- UNO-3000EM-AE** Extra 2x RS-232 modules for UNO-3000G series

### Optional Expansion Type by Project Support

Model	Optional Expansion Type
UNO-3083G	2x PCIe8 slots and 1x PCI slot
UNO-3085G	1x PCIe16 slot and 4x PCI slots
UNO-3073G	2x PCIe8 slots and 1x PCI slot
UNO-3075G	2x PCIe8 slots and 3x PCI slots
UNO-3073GL	2x PCIe1 slots and 1x PCI slot
UNO-3073GL (same dimensions as UNO-3085G)	2x PCIe1 slots and 3x PCI slots