

# UNO-1150/E UNO-1150G/GE

AMD Geode™ GX DIN-rail PC  
with 2 x LAN, 3 x COM, PCI-104

AMD Geode™ LX DIN-rail PC  
with 2 x LAN, 3 x COM, PCI-104

NEW



UNO-1150/G

UNO-1150E/GE



## Features

- Onboard AMD Geode GX/LX (400/500 MHz) CPU
- One RS-232 and two RS-232/422/485 ports with automatic flow control.
- Two 10/100 Base-T RJ-45 ports
- Two USB, audio and internal CompactFlash®
- Compact size, small foot print, saves space and front accessible for easy wiring
- DIN-rail design for easy installation in field cabinet
- Wide operating temperature range
- Windows® CE 6.0, Windows XP Embedded, and Linux ready solution
- Onboard system & I/O LED indicators
- Fanless desing with no internal cabling
- Isolation between chassis and power ground

## Introduction

UNO-1150 is an DIN-rail Mounted, which provides several serial communication ports and Ethernet interfaces, with a compact size, small foot print, and help to saves space and its front accessible is very convenient for wiring and DIN-rail design for easy installation in field cabinet. With rich OS and driver supports, such as Windows XP embedded, WinCE 6.0, and even embedded Linux. You can integrate your applications easily with an application ready platform that can provide a versatile function to fulfill diverse requirements.

## Specifications

### General

- Certification** CE, FCC Class A, UL, CCC
- Dimension (W x H x D)**
  - 81 x 155 x 140 mm (3.1" x 6.1" x 5.6") (UNO-1150)
  - 109 x 155 x 140 mm (4.3" x 6.1" x 5.6") (UNO-1150E)
  - 71 x 155 x 140 mm (2.8" x 6.1" x 5.6") (UNO-1150G)
  - 97 x 155 x 140 mm (3.8" x 6.1" x 5.6") (UNO-1150GE)
- Enclosure** Aluminum + SECC
- Mounting** DIN-rail, Wallmount
- Power Consumption** 15 W (Typical)
- Power Requirement** 9 ~ 36 V<sub>DC</sub> (e.g +24 V @ 1 A) (Min. 24 W), AT
- Weight** 1.6 KG (for UNO-1150)  
2.0 KG (for UNO-1150E)
- OS Support** WES Windows XP Embedded, Windows 2000 & XP, Windows CE 5.0/6.0, Linux
- System Design** Fanless with no internal cabling
- Remote Management** Built-in Advantech DiagAnywhere agent on Windows CE / XPe

### System Hardware

- CPU** UNO-1150/E: AMD Geode GX 533 (400 MHz)  
UNO-1150G/GE: AMD Geode LX 800 (500MHz)
- Memory** Onboard 256 MB DDR SDRAM
- Indicators** LEDs for Power, IDE, LAN (Active, Status) and Serial (Tx, Rx)  
Buzzer for Diagnosis (programmable)
- Keyboard/Mouse** 1 x PS/2
- Storage** SSD: 1 x internal type I/II CompactFlash® slot  
HDD: 2.5" SATA HDD bracket (UNO-1150E/GE)
- PC/104 Slot** 2x PCI-104 slot, supports 3.3 V & +5 V  
(Only for UNO-1150E/1150GE, one PCI-104 left while using HDD)
- Mini PCI** 1x MiniPCI (UNO-1150E/GE only)
- Display** DB15 VGA connector, supports up to 1024 x 768 @ 60 Hz
- Audio** Line in, Line out
- Watchdog Timer** Programmable 256 levels timer interval, from 1 to 255 sec

### I/O Interface

- Serial Ports** 1 x RS-232, 2 x RS-232/422/485 with DB9 connectors, Automatic RS-485 data flow control  
RS-232/422/485 ports support hardware 128 byte FIFO
- Serial Port Speed** RS-232 port: 50 ~ 115.2 kbps  
RS-232/422/485 port: RS-232, 300 ~ 115.2 kbps  
RS-232/422/485 port: RS-422/485, 300 ~ 921.6 kbps (Max)
- LAN** 2 x 10/100 Base-T RJ-45 ports
- USB** 2 x USB, OpenHCI, Rev. 1.1 compliant

### Environment

- Operating Temperature** (IEC 60068-2-2, 100% CPU/ I/O loading)  
-10 ~ 60° C (14 ~ 140° F)  
-20 ~ 80° C (-4 ~ 176° F)
- Storage Temperature** -20 ~ 80° C (-4 ~ 176° F)
- Operating Humidity** 20 ~ 95% (non-condensing)
- Storage Humidity** 0 ~ 95% (non-condensing)
- Shock Protection** IEC 68 2-27  
CompactFlash®: 50 G @ wall mount, half sine, 11 ms  
HDD: 20 G @ wall mount, half sine, 11 ms  
(Only for UNO-1150E/GE)
- Vibration Protection** IEC 68 2-64 (Random 1 Oct./min, 1hr/axis.)  
CompactFlash®: 2 Grms @ 5 ~ 500 Hz  
HDD: 1Grms@ 5 ~ 500 Hz (UNO-1150E/GE)

## Ordering Information

- UNO-1150-G20E** GX 400 MHz, 256 MB RAM DIN-rail PC
- UNO-1150E-G20E** GX 400 MHz, 256 MB, DIN-rail PC w/PCI-104
- UNO-1150G-G30E** LX 500 MHz, 256 MB DIN-rail PC
- UNO-1150GE-G30E** LX 500 MHz, 256 MB DIN-rail PC w/PCI-104

### Accessories

- UNO-FPM11-BE** UNO-1100 Series VESA Mount kit
- PCLS-DIAGAW10** Advantech Remote Monitoring & Diagnosis Utility
- UNO-ANT11-AE** Antenna kit for UNO-1100 Series