

UNO-1150G/GE

AMD Geode™ LX800 DIN-rail PCs
with 2 x LAN, 3 x COM, PCI-104



Features

- Onboard AMD Geode LX800 500 MHz processor
- 2 x RS-232 (one pin header reserved) and 2 x RS-232/422/485 ports with automatic flow control
- 2 x 10/100Base-T RJ-45 ports
- 2 x 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 5.0/6.0, 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

The UNO-1150G/GE are DIN-rail mounted PCs that provide several serial communication ports and Ethernet interfaces. Their compact size, small footprint and front-accessibility allow easy installation in field cabinets and help to save spaces. With rich OS and driver supports, such as Windows XP Embedded, WinCE 6.0 and embedded Linux, users can integrate applications easily with a platform that can provide versatile functions to fulfill diverse requirements.

Specifications

General

- Certification** CE, FCC Class A, UL, CCC
- Dimensions (W x H x D)** UNO-1150G: 71 x 152 x 139 mm (2.8" x 6.0" x 5.5")
UNO-1150GE: 96.5 x 152 x 139 mm (3.8" x 6.0" x 5.5")
- Enclosure** Aluminum + SECC
- Mounting** DIN-rail, Wallmount
- Power Consumption** 15 W (Typical)
- Power Requirement** 10 ~ 36 V_{DC} (e.g. +24 V @ 1 A) (Min. 24 W), AT
- Weight** UNO-1150G: 1.6 kg
UNO-1150GE: 2.0 kg
- 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** AMD Geode LX800 500 MHz
- 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/O CompactFlash® slot
HDD: 2.5" SATA HDD bracket (UNO-1150GE)
- PC/104 Slot** 2 x PCI-104 slots, supports 3.3 V & +5 V
(Only for UNO-1150GE, one PCI-104 left while using HDD)
- Mini PCI** 1 x Mini PCI (UNO-1150GE)
- Display** DB15 VGA connector, supports up to 1024 x 768 @ 60 Hz
- Audio** Line in, Line out
- Watchdog Timer** Programmable 256 level timer interval, from 1 to 255 sec

I/O Interface

- Serial Ports** 2 x RS-232 (one pin header reserved),
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 10/100Base-T RJ-45 ports
 - USB** 2 x USB, OpenHCI, Rev. 2.0 compliant
 - Printer Port*** 1 x Printer Port pin header
- *Note: This function is optional for project requirement.

Environment

- Ingress Protection** IP40
- Operating Temperature** (IEC 60068-2-2, 100% CPU/ I/O loading)
-10 ~ 60°C (14 ~ 140°F)
- Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)
- Operating Humidity** 20 ~ 95% (non-condensing)
- Storage Humidity** 0 ~ 95% (non-condensing)
- Shock Protection** IEC 60068-2-27
CompactFlash®: 50 G @ wall mount, half sine, 11 ms
HDD: 20 G @ wall mount, half sine, 11 ms
(UNO-1150GE)
- Vibration Protection** IEC 60068-2-64 (Random 1 Oct./min, 1hr/axis.)
CompactFlash®: 2 Grms @ 5 ~ 500 Hz
HDD: 1Grms@ 5 ~ 500 Hz (UNO-1150GE)

Ordering Information

- UNO-1150G-G30E** AMD Geode LX800 500 MHz, 256 MB DIN-rail PC
- UNO-1150GE-G30E** AMD Geode LX800 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