

C-UNO-1150GH-ACP

**Class I, Division 2 Certified
DIN-Rail Mount ACP Thin
Client**



Features

- UL listed for Hazardous Locations: Class I, Division 2
- Onboard AMD Geode LX (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 and front accessible
- DIN-rail design for easy installation in field cabinet
- Wide operating temperature range
- Onboard system & I/O LED indicators
- Fanless desing with no internal cabling
- Isolation between chassis and power ground

Introduction

In hazardous locations, devices are under potential danger from flammable gases, combustible dust, or ignitable fibers, creating the potential for fire and explosions. The C-UNO-1150GH-ACP is designed to be safely operated in these locations and is UL listed for Hazardous Locations with Class I, Division 2, groups A, B, C, D & T3A certification. It is a DIN-rail mountable thin client solution in an aluminum housing which creates a rugged chassis with improved thermal characteristics. It also provides several serial communication ports and Ethernet interfaces with a compact size to save space whilst having a wide input power range of 10-30 V_{DC} and polarity protection, allowing the use of power supplies used in industrial applications. It is also front accessible for easy installation in field cabinets and has rich video display characteristics and supports high color and resolutions.

Specifications

General

- **Certification** CE, FCC Class A, UL, CCC
- **Hazardous Locations** US: ANSI/ISA 12.12.01-2007 cUL: CSA 22.2 No.213 M1987, Class I, Division 2, Groups A,B,C,D, Hazardous Location, Temperature code: T3A, Ambient Temperature Range: -10°C ≤ Tamb ≤ 60°C
- **Dimension (W x H x D)** 71 x 155 x 140 mm (2.8" x 6.1" x 5.6")
- **GH Series Certificaton** Class I Division 2
- **Enclosure** Aluminum + SECC
- **Mounting** DIN-rail, Wallmount
- **Power Consumption** 15 W (Typical)
- **Power Requirement** 9 ~ 36 V_{DC} (e.g +24 V @ 1 A) (Min. 24 W), AT
- **Weight** 1.6 KG
- **System Design** Fanless with no internal cabling

System Hardware

- **CPU** 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
- **Display** DB15 VGA connector, supports up to 1920x1440 @ 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)
- **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
- **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

- **C-UNO-1150GH-ACP** Class I Division 2 Certified DIN-rail mount ACP Thin Client