

UNO-2052**GX1-300 UNO with 2xCAN Bus, LAN, USB, RS-232, 16xDI/O, 2xAI****UNO-2053****GX1-300 Universal Network Controller with PC Card, 2 LAN, 2 USB, 2 RS-232**

UNO-2052 GX1-300 UNO with 2xCAN Bus, LAN, USB, RS-232, 16xDI/O, 2xAI



Hardware

- **CPU:** NS Geode GX1-300 MHz, 64/128 MB SDRAM on board
- **VGA/Keyboard/Mouse:** DB-15 VGA connector, PS/2 keyboard & mouse
- **Serial Port:** 1 × standard RS-232
- Speed: RS-232: 50 ~ 115.2 Kbps
- **USB Interface:** one USB ports, USB OpenHCI, Rev. 1.0 compliant
- **LAN:** one 10/100 Base-R RJ-45 ports
- **CAN:** dual isolated CAN 2.0B interfaces
- **4-ch Isolated Digital Input:**
- 2,000 V_{DC} isolation, 2,000 V_{DC} ESD protection and 70 V_{DC} overvoltage protection
- 0 ~ 50 V_{DC} input range and 5 KHz speed
- **4-ch Isolated Digital Output:**
- 2,000 V_{DC} isolation and 100 mA max/channel sink current
- Keep output status after system hot reset
- 5 ~ 30 V_{DC} output range
- **2-ch Thermocouple Analog Input:**
- Thermocouple: T/K/J-type
- AI: 4~20 mA, 0~20 mA, +2.5 V
- **SSD:** one internal Type I/Type II CompactFlash card slot
- **HDD:** offer HDD extension kit for installation of one standard 2.5" HDD
- **Watchdog Timer:** programmable
- **LED:** power LED, IDE LED and one programmable diagnostic LED and buzzer
- **Power Supply:** 9~36 V_{DC}
- **Anti-Shock:** 20 G @ DIN IEC 68 section 2-27, half sine, 11ms
50 G @ Wall/Panel IEC 68 section 2-27, half sine, 11ms
- **Anti-Vibration:**
2 G w/CF @ IEC 68 section 2-6, sine, 5~500 Hz, 1 Oct./min, 1hr/axis
1 G w/HDD @ IEC 68 section 2-6, sine, 12~300 Hz, 1 Oct./min, 1hr/axis
- **Operating Temperature:** -10 ~ 55° C @ 5 ~ 85% related humidity
- **Related Humidity:** 95% @ 40° C
- **Power Consumption:** 0.6 A max under +24 V power input or 1.2 A max under +12 V power input
- **Power Requirement:** 1 A typical under +24 V power input or 1.5 A typical under +12 V power input
- **Operating Temperature:** -10 ~ 55° C (14 ~ 131° F)
- **Chassis Size:** 188.8 mm (W) × 106.5 mm (L) × 35.5 mm (H) (7.5" × 4.2" × 1.4")
- **Weight:** 0.8 kg

Software

- **OS:** Windows®CE .NET, Linux

Ordering Information

- **UNO-2052-GDA0**
GX1-300 UNO with 64MB SDRAM, 2xCAN bus, LAN, USB, RS-232, 16xDI/O, 2xAI
- **UNO-2052CE-GDA1**
GX1-300 UNO with 2xCAN bus, LAN, USB, RS-232, 16xDI/O, 2xAI and Windows CE .NET 4.1 OS.
- **UNO-2052-HDA0**
GX1-300 UNO with 128MB SDRAM, 2xCAN bus, LAN, USB, RS-232, 16xDI/O, 2xAI

UNO-2053 GX1-300 Universal Network Controller with PC Card, 2 LAN, 2 USB, 2 RS-232



Hardware

- **CPU:** NS Geode GX1-300 MHz, 64/128 MB SDRAM on board
- **VGA/Keyboard/Mouse:** DB-15 VGA connector, PS/2 keyboard & mouse
- **Serial Port:** 2 × standard RS-232
- Speed: RS-232: 50 ~ 115.2 Kbps
- **USB Interface:** two USB ports, USB OpenHCI, Rev. 1.0 compliant
- **LAN:** dual 10/100 Base-R RJ-45 ports
- **PC Card:** one PC card slot
- supports cardbus (card-32) card and 16-bit (PCMCIA 2.1/JEIDA4.2) card
- supports +5 V, +3.3 V and +12 V @ 120 mA working power
- **SSD:** one internal Type I/Type II CompactFlash card slot
- **HDD:** offer HDD extension kit for installation of one standard 2.5" HDD
- **Watchdog Timer:** programmable
- **LED:** one power LED and one IDE LED
- **Power Supply:** 10~30 V_{DC}
- **Anti-Shock:** 20 G @ DIN IEC 68 section 2-27, half sine, 11ms
50 G @ Wall/Panel IEC 68 section 2-27, half sine, 11ms
- **Anti-Vibration:**
2 G w/CF @ IEC 68 section 2-6, sine, 5~500 Hz, 1 Oct./min, 1hr/axis
1 G w/HDD @ IEC 68 section 2-6, sine, 12~300 Hz, 1 Oct./min, 1hr/axis
- **Operating Temperature:** -10 ~ 55° C @ 5 ~ 85% related humidity
- **Related Humidity:** 95% @ 40° C
- **Power Consumption:** 0.6 A max under +24 V power input or 1.2 A max under +12 V power input
- **Power Requirement:** 1 A typical under +24 V power input or 1.5 A typical under +12 V power input
- **Operating Temperature:** -10 ~ 55° C (14 ~ 131° F)
- **Chassis Size:** 188.8 mm (W) × 106.5 mm (L) × 35.5 mm (H) (7.5" × 4.2" × 1.4")
- **Weight:** 0.8 kg

Software

- **OS:** Windows®CE .NET, Linux

Ordering information

- **UNO-2053-GDA0**
GX1-300 Universal Network Controller with 64 MB SDRAM, PC Card, 2 x LAN, 2 x USB, 2 x RS-232
- **UNO-2053CE-GDA1**
GX1-300 Universal Network Controller with 64 MB SDRAM, PC Card, 2 x LAN, 2 x USB, 2 x RS-232 and Window CE .NET 4.1 OS.
- **UNO-2053-HDA0**
GX1-300 Universal Network Controller with 128 MB SDRAM, PC Card, 2 x LAN, 2 x USB, 2 x RS-232