

UNO-2041
UNO-2050

486 Universal Network Controller with PC/104 GX1-300 Universal Network Controller with Isolated DI/O



WebLink	1
WebOT	1
IPPC & AWS	2
TPC	3
FPM	4
IPC	5
UNO-2000	6
ICOM	7
DA&C	8
cPCI	9
ADAM-3000	10
ADAM-4000	11
ADAM-5000	12
ADAM-6000	13
ADAM-8000	14
Industrial Converters	15
VBOX	16
Software	17
Index	

UNO-2041 486 Universal Network Controller with PC/104



Hardware

- **CPU:** 486-66 MHz with 32 MB EDO RAM on board
- **VGA/Keyboard/Mouse:** mini 6-pin VGA connector, PS/2 keyboard & mouse
- **Serial Port:** 2 x standard RS-232, 2 x RS-232/485 with 128 bytes FIFOs
 - automatic RS-485 data flow control
 - Speed: RS-232: 50 ~ 115.2 Kbps; RS-485: 50 ~ 921.6 Kbps
- **LAN:** one 10/100 Base-R RJ-45 port
- **PC/104:** one PC/104 interface
- **SSD:** one internal and one external Type I/Type II CompactFlash card slot
- **LED:** one power LED and one IDE LED.
- **Power Supply:** 10 ~ 30 V_{DC}
- **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:** 0 ~ 55° C (32 ~ 131° F)
- **Chassis Size:**
 - No PC/104: 188.8 mm (W) x 106.5 mm (L) x 35.5 mm (H) (7.5" x 4.2" x 1.4")
 - With PC/104: 188.8 mm (W) x 106.5 mm (L) x 56.3 mm (H) (7.5" x 4.2" x 2.3")
- **Weight:** 0.8 kg

Software

- **OS:** Windows® CE .NET

Ordering information

- **UNO-2041-6CA0**
486 UNO with 32MB EDO RAM, PC/104, LAN, 2 x RS-232 and 2 x RS-232/485
- **UNO-2041CE-6CA1**
486 UNO with 32MB EDO RAM, PC/104, LAN, 2 x RS-232 and 2 x RS-232/485 and Windows CE .NET 4.1 OS

UNO-2050 GX1-300 Universal Network Controller with isolated DI/O



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 x standard RS-232, 2 x isolated RS-232/RS-422/485
 - automatic RS-485 data flow control
 - RS-232/422/485 2000 V_{DC} surge protection & 2000 V_{DC} isolation
 - Speed: RS-232: 50 ~ 115.2 Kbps; RS-422/485: 50 ~ 921.6 Kbps
- **8-ch Isolated Digital Input:**
 - 2,000 V_{DC} isolation, 2,000 V_{DC} ESD protection
 - 0 ~ 50 V_{DC} input range and 10 KHz speed; Interrupt handling
- **8-ch Isolated Digital Output:**
 - 2,000 V_{DC} isolation and 200 mA max/channel sink current
 - keep output status after system hot reset
 - 5 ~ 40 V_{DC} output range and 10 KHz speed
- **Two 16-bit Counter Timer:**
 - Counter source: D16 & D17, Pulse output: DO6 & DO7
 - can be cascaded as one 32-bit counter/timer; speed: 10 KHz
 - down counting, preset counting value, interrupt handling
 - Timer time base: 100 KHz, 10 KHz, 1 KHz, 100 Hz
- **LAN:** dual 10/100 Base-R RJ-45 Port
- **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 (14 ~ 131° F) @ 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
- **Chassis Size:** 188.8 mm (W) x 106.5 mm (L) x 35.5 mm (H) (7.5" x 4.2" x 1.4")
- **Weight:** 0.8 kg

Software

- **OS:** Windows® CE .NET, Linux

Ordering information

- **UNO-2050-GDA0**
GX1-300 UNO with 64 MB SDRAM, 2 x LAN, 2 x RS-232, 2 x isolated RS-232/422/485, 16 x isolated DI/O
- **UNO-2050CE-GDA1**
GX1-300 UNO with 64 MB SDRAM, 2xLAN, 2xRS-232, 2 x isolated RS-232/422/485, 16 x isolated DI/O and Windows CE .NET 4.1 OS.
- **UNO-2050-HDA0**
GX1-300 UNO with 128 MB SDRAM, 2 x LAN, 2 x RS-232, 2 x isolated RS-232/422/485, 16 x isolated DI/O