

UNO-3272G

Intel® Celeron J1900 Automation Computer with 2 PCI(e) Expansion Slots, 2 x GbE, 1 x mPCIe, HDMI, VGA

NEW



Features

- Intel® Celeron® J1900 2.0GHz processor with 4GB DDR3L memory
- 3 x USB2.0, 1 x USB3.0, 2 x RS232/422/485, 2 x RS232
- 2 x 10/100/1000BASE-T Ethernet
- VGA, HDMI support 2 x independent displays
- Optional Digital I/O support for sensing and controlling
- Dedicated TPM2.0 microcontroller designed for hardware security
- Flexible system I/O expansion by iDOOR technology
- Support diverse fieldbus protocol by iDOOR technology
- Dual Power input for power redundancy



Introduction

The expandable fanless control cabinet PC UNO-3272G equipped with a Intel® Celeron J1900 processor, rich I/O including 4 x USB, 2 x GigaLAN, 2 x RS-232/422/485, and 2 x RS-232 ports, as well as VGA and HDMI display interfaces, UNO-3272G is designed to deliver high reliability and maximum flexibility for industrial automation applications. The provision of up to 2 expansion slots (2 x PCIe1 or 2 x PCI) supports the integration of modular peripherals and ensures flexible installation in diverse cabinet configurations.

Specifications

General

- Certification** CE, UL, CCC, FCC, BSMI
- Dimensions (W x D x H)** 145 x 177 x 238 mm (standard Rack 4U)
- Form Factor** Regular Size
- Mounting** Wall mount, Stand mount
- Weight (Net)** 2.9kg
- Power Requirements** 10-36 V_{DC}
- Power Consumption** 24W (Typical, w/o expansion card), 60W (Max)
- OS Support** WIN7/8, WES7, Win10 Ent. LTSB, AdvLinuxTU

System Hardware

- BIOS** AMI UEFI 128Mbit Flash BIOS
- Watchdog Timer** Programmable 255 levels timer interval, from 1 to 255 sec
- Processor** Intel Celeron J1900 2.0GHz Quad core
- System Chip** Integrated Intel SoC Chipset
- Memory** Built-in 4GB DDR3L 1333 MHz, two sockets support up to 8GB
- Graphics Engine** Intel HD Graphics
- Ethernet** LAN A: Intel® i210-AT GbE, IEEE802.1AS, 802.3az
LAN B: Intel® i210-AT GbE, IEEE802.1AS, 802.3az
(2 x RJ45, 10/100/1000 Mbps IEEE 802.3 1000Base-T Fast Ethernet)
- LED Indicators** LEDs for Power and HDD
- Storage** 1 x M.2 B-key (22x42) up to 512GB
1 x built-in 2.5" SATA HDD/SSD brackets
- Expansion** 1 x Full-size mPCIe
2 x PCIe1

I/O Interfaces

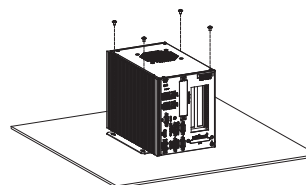
- Serial Ports** 2 x RS-232/422/485 with DB9 connectors, 115200bps
2 x RS-232 with DB9 connectors, 115200bps
- LAN Ports** 2 x RJ45, 10/100/1000 Mbps IEEE 802.3 1000Base-T Fast Ethernet
- USB Ports** 1 x USB3.0, 3 x USB2.0
- Displays** 1 x VGA, supports 1920 x 1080 @ 60Hz 24bpp
1 x HDMI, supports 1920 x 1080 @ 60Hz 24bpp
Line-Out
- Audio** Line-Out
- Power Connector** 1 x 4 Pin, terminal Block

Environment

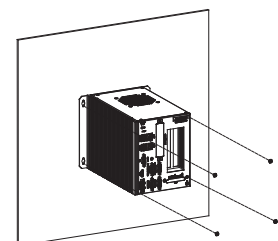
- Operating Temperature** -20 ~ 60°C (-4 ~ 140°F) with 0.7m/s airflow environment
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Relative Humidity** 10 ~ 95% RH, non-condensing
- Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11ms (SSD)
- Vibration Protection** Operating, IEC 60068-2-64, 3Grms, random, 5 ~ 500Hz, 1hr/axis (SSD); 0.5Grms, random, 5 ~ 500Hz, 1hr/axis (HDD)

Installation Scenario

Stand mount

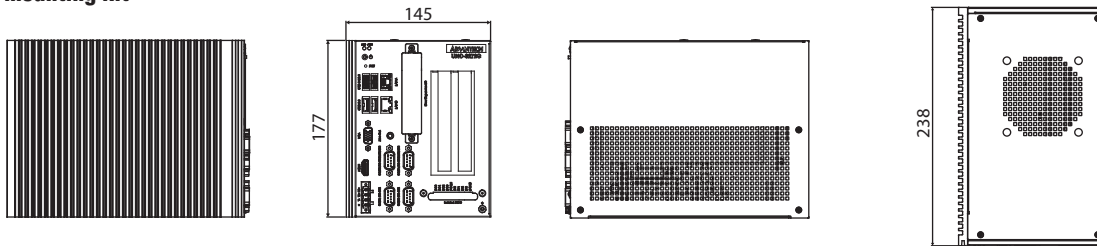


Wall mount



*Mounting kit included in default package

Without mounting kit



Technical drawings of the monitor showing front, back, and side views with dimensions for wall and stand mounting.

Front View: Shows the monitor's width and height. The width is 165 mm and the height is 177 mm. The bezel width is 145 mm and the bezel height is 140 mm. The mounting bracket is 128 mm wide and 128 mm high. The mounting holes are 8 mm in diameter and 4.50 mm apart.

Back View: Shows the monitor's width and height. The width is 165 mm and the height is 177 mm. The bezel width is 145 mm and the bezel height is 140 mm. The mounting bracket is 128 mm wide and 128 mm high. The mounting holes are 8 mm in diameter and 4.50 mm apart.

Side View: Shows the monitor's width and height. The width is 165 mm and the height is 177 mm. The bezel width is 145 mm and the bezel height is 140 mm. The mounting bracket is 128 mm wide and 128 mm high. The mounting holes are 8 mm in diameter and 4.50 mm apart.

Wall mount: Shows the monitor's width and height. The width is 165 mm and the height is 177 mm. The bezel width is 145 mm and the bezel height is 140 mm. The mounting bracket is 128 mm wide and 128 mm high. The mounting holes are 8 mm in diameter and 4.50 mm apart.

Stand mount: Shows the monitor's width and height. The width is 165 mm and the height is 177 mm. The bezel width is 145 mm and the bezel height is 140 mm. The mounting bracket is 128 mm wide and 128 mm high. The mounting holes are 8 mm in diameter and 4.50 mm apart.

The diagram shows the rear panel of the iDOOR Expansion Unit. On the left side, from top to bottom, there is an LED Indicator, a Power Button, a Reset Button, a USB 3.0/ USB2.0/ LAN Port, another USB2.0/ LAN Port, a Line out VGA port, an HDMI port, and a Power connector. On the right side, from top to bottom, there is an iDOOR Expansion Unit label, a PCI/ PCIe Expansion slot, a COM1 Port (RS-232/422/485), a COM2 Port (RS-232/422/485), a DI/ DO (Optional) port, and COM3 Port (RS-232) and COM4 Port (RS-232) ports at the bottom.

- **UNO-3272G-J021AE** Intel J1900, 2GHz, 4GB DDR3L, 2 x LAN, 4 x COM, 4 x USB, 2 x PCIe x1

P/N	Support Model	Expansion Type
9893UR01000	UNO-3272G	2 x PCI slot

- **PCM-2300MR-AE** MR4A16B, MRAM, 2 MByte, mPCle
- **PCM-24R2PE-AE** Intel i350, GbE, PoE IEEE 802.3af, PD, RJ45 x 2
- **PCM-24S2WF-BE** 802.11 a/b/g/n/ac 2T2R w/BT4.1, Atheros QCA6174A
- **PCM-26D2CA-AE** SJA1000 CANbus, CANopen, DB9 x 1
- **PCM-24D2R4-BE** 2-Ports Isolated RS-422/485 mPCle, DB9
- **PCM-24D2R2-BE** 2-Ports Isolated RS-232 mPCle, DB9
- **PCM-24D4R4-BE** 4-Ports Non-Isolated RS-422/485 mPCle, DB37
- **PCM-24D4R2-BE** 4-Ports Non-Isolated RS-232 mPCle, DB37
- **PCM-27D24DI-AE** 24-Channels Isolated Digital I/O with counter mPCle, DB37
- **PCM-24R1TP-AE** 1-Port Gigabit Ethernet, Intel® 82574L, mPCle, RJ45

- **96PSA-A150W24T2-3** 150W AC to DC power adapter
- **9893U20600E** Digital 4DI/4DO board
- **UNO-REPWR-AE** Remote power & reset kit
- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1700000596** Power Cable China/Australia Plug 1.8 M

- **20703WX9ES0007** Img Win10 LTSC 2019 x64 V6.04 B026
- **20703WE7PS0031** Img WS7P x64 MUI V4.19 B017