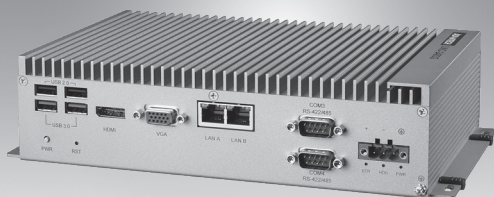


UNO-2483G

Intel® Core™ i7/i3/Celeron®
Regular-Size Automation Computer w/
4 x GbE, 3 x mPCIe, HDMI, VGA

NEW



Introduction

Advantech's new generation UNO-2000 series of Embedded Automation Computers are a highly ruggedized fanless and modular design. It includes iDoor technology which supports automation feature extensions such as industry fieldbus communication, Wi-Fi/3G, Digital I/O. There are various form factor offering from Pocket-size, Palm, and Regular-size in terms of entry, value and performance product positioning. Both entry and value Embedded Automation Computers feature specific functions and they are suitable for data gateway, concentrator and data server applications. The performance model can shorten your development time and offer multiple networking interfaces to fulfill a diverse range of requirements.

Specifications

General

- Certification** CE, FCC, UL, CCC, BSMI
- Dimensions (W x D x H)** 252 x 149 x 62 mm (9.9" x 5.9" x 2.4")
- Form Factor** Regular Size
- Enclosure** Aluminum Housing
- Mounting** Stand, Wall, VESA (Optional)
- Weight (Net)** 1.6kg (3.5lbs)
- Power Requirement** 24Vdc $\pm$ 20%
- Power Consumption** 44W (Typical), 87W (Max)
- OS Support** Microsoft® Windows 7/8, Windows 10, Advantech Linux

System Hardware

- BIOS** AMI UEFI 128Mbit Flash BIOS
- Watchdog Timer** Programmable 255 levels timer interval, from 1 to 255 sec
- Processor** 4th Gen Intel® Core™ i7-4650U ULT 1.7 GHz Dual Core
4th Gen Intel® Core™ i3-4010U ULT 1.7 GHz Dual Core
4th Gen Intel® Celeron® 2980U ULT 1.6 GHz Dual Core
- System Chip** Integrated Intel SoC Chipset
- Memory** Built-in 4GB DDR3L 1600 MHz for UNO-2483G-4C3AE
Built-in 8GB DDR3L 1600 MHz for UNO-2483G-434AE and UNO-2483G-474AE
- Graphics Engine** Intel® HD Graphics
- Ethernet** LAN A: Intel® i218-LM GbE, Intel® AMT (for UNO-2483G-474AE), IEEE1588/802.1AS, 802.3az
LAN B-D: Intel® i210-IT GbE, 802.1Qav, IEEE1588/802.1AS, 802.3az
- LED Indicators** LEDs for Power, battery, LAN (Active, Status), COM (Tx/Rx) and HDD
- Storage** One mSATA
Two drive bays for SATA 2.5" HDD (Compatible with 9.5mm height HDD)
- Expansion** 2 x Full-size mPCIe slot; 1 x Half-size mPCIe slot, mPCIe 2.0

Features

- 4th generation Intel® Core™ i7/i3/Celeron® processors up to 1.9GHz with 4GB/8GB DDR3L Memory
- 4 x GbE, 4 x USB 2.0/3.0, 2 x RS-232, 2 x RS-422/485, 1 x VGA, 1 x HDMI, Audio
- Compact, with fanless design
- Rubber stopper design with captive screws
- Dual HDD/SSD support with RAID 0/1 in regular-size
- Diverse system I/O and isolated digital I/O by iDoor technology
- 3G/GPS/GPRS/Wi-Fi communication by iDoor technology
- Supports MRAM by iDoor technology
- LAN redundancy (teaming)

I/O Interfaces

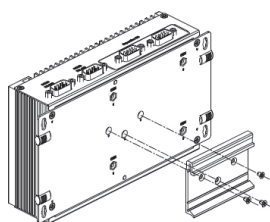
- Serial Ports** 2 x RS-232, DB9, 50 ~ 115.2kbps
2 x RS-422/485, DB9, auto flow control, 50 ~ 115.2kbps
- LAN Ports** 4 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet
- USB Ports** 4 x USB Ports (2 x USB 2.0, 2 x USB 3.0 compliant)
- Displays** 1 x VGA, supports 1920 x 1080 @ 60Hz 24bpp
1 x HDMI 1.4a, supports 3840 x 2160 @ 30Hz 24bpp & 1920 x 1080 @ 60Hz, 24bpp
- Audio** Line-In, Line-Out
- Power Connector** 1 x 3 Pins, Terminal Block

Environment

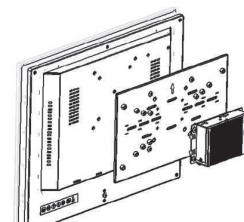
- Operating Temperature** -20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7m/s airflow
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11ms
- Vibration Protection** Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz, 1hr/axis (mSATA)
Operating, IEC 60068-2-64, 0.7Grms, random, 5 ~ 500Hz, 1hr/axis (HDD)
- Ingress Protection** IP40

Installation Scenario

DIN-rail Mount Illustration



VESA Mount Illustration



Technical drawing of the 15.6 inch display module, showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 252.8
- Width of display area: 241.8
- Width of bezel: 227.8
- Height of display area: 104.6
- Height of bezel: 111.1
- Height of module: 117.6
- Height of bezel: 138.4
- Height of module: 149.3
- Radius of top corners: R2.0
- Radius of bottom corners: R2.7
- Distance from bottom edge to bottom bezel: 10.5

Side View Dimensions:

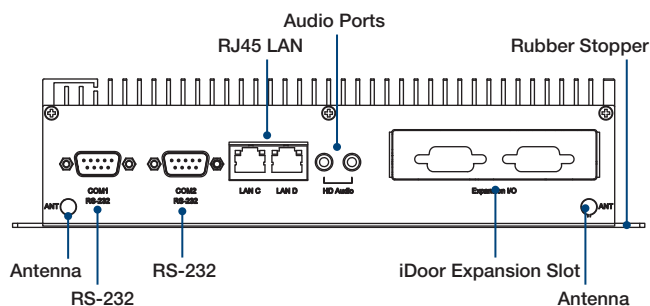
- Width of display area: 59.1
- Width of bezel: 61.5
- Thickness of module: 1.6

Front View Labels:

- HD0
- A
- B
- HD0
- A
- B
- A
- B
- A
- B

The diagram illustrates the rear panel of the HP Z440 Workstation, featuring the following components and labels:

- USB 2.0/3.0 Ports:** Two USB 3.0 ports (blue) and two USB 2.0 ports (black).
- HDMI:** A single HDMI port.
- VGA:** A single VGA port.
- RJ45 LAN:** Two LAN ports labeled LAN A and LAN B.
- Power Connector:** A power input connector with pins labeled +5V, GND, and PWR.
- RS-422/485:** A connector labeled COM1 RS-422/485 and COM2 RS-422/485.
- Power LED:** A small circular LED indicator.
- Reset Button:** A small circular button.
- Transmit & Receive LEDs:** Two small circular LED indicators.
- Chassis Grounding:** A circular grounding point.
- BTR, HDD & PWR LED Lights:** Three small circular LED indicators.



- **UNO-2483G-4C3AE** Intel® Celeron 2980U ULT 1.6GHz, 4GB, 4 x LANs, 2 x mPCIe
- **UNO-2483G-434AE** Intel® Core™ i3-4010U ULT 1.7GHz, 8GB, 4 x LANs, 2 x mPCIe
- **UNO-2483G-474AE** Intel® Core™ i7-4650U ULT 1.7GHz, 8GB, 4 x LANs, 2 x mPCIe

- **PCM-23C1CF-BE** 1 CFast Slot with Cover Protection
- **PCM-23U1DG-BE** Internal locked USB Slot for USB Dongle
- **PCM-24R2GL-AE** 2-Port Gigabit Ethernet, mPCIe, RJ45
- **PCM-24D2R2-BE** 2-Port Isolated RS-232 mPCIe, DB9
- **PCM-24D4R2-BE** 4-Port Non-Isolated RS-232 mPCIe, DB37
- **PCM-24S2WF-BE** WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1
- **PCM-24S33G-AE** Wide-Temp 3.75G HSPA and GPS, Redundant SIM Card holder
- **PCM-2300MR-AE** MR4A16B, MRAM, 2 MByte, mPCIe
- **PCM-27D24DI-AE** 24-Channel Isolated Digital I/O w/ counter mPCIe, DB37

■ 96PSA-A150W24T2	150WC to DC UNO series power adapter (Industrial Grade)
■ 96PSA-A120W24T2	120WC to DC UNO series power adapter (Industrial Grade)
■ 1702002600	Power Cable US Plug 1.8 M (Industrial Grade)
■ 1702002605	Power Cable EU Plug 1.8 M (Industrial Grade)
■ 1702031801	Power Cable UK Plug 1.8 M (Industrial Grade)
■ 1700000596	Power Cable China/Australia Plug 1.8 M (Industrial Grade)
■ UNO-2000G-DMKAE	UNO-2000 DIN Rail Kit
■ UNO-2000G-VMKAE	UNO-2000 VESA Mount Kit

- **2070015070** WIN10 Enterprise 2016 LTSP v6.01 B042 image for UNO-2483G-474AE
- **20703WX6VS0000** WIN10 Enterprise 2016 LTSP v6.01 B042 image for UNO-2483G-434AE & 2483G-4C3AE
- **2070013459** WES7P X64 MJLV4.12 B003 image

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



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Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



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