

UNO-2484G

Intel® Core™ i7/i5/i3 Regular-Size Modular Box Platform (MBP) with 4 x GbE, 1 x mPCIe, HDMI, DP

NEW



Features

- Intel® Core™ i7/i5/i3 Processor up to 2.6 GHz with 8GB DDR4 built-in Memory
- 4 x GbE, 4 x USB 3.0, 1 x HDMI, 1 x DP (4K), 4 x RS232/422/485
- Stackable 2nd layer for up to 4 iDoor extension or customize for domain applications
- Compact Fanless Design
- Ruggedized by Zero cable and lockable I/O design
- Optional TPM2.0 for Cyber Security
- Chassis Grounding Protection
- Diverse system I/O and Isolated Digital I/O by iDoor Technology
- Supports Fieldbus Protocol by iDoor Technology
- 3G/GPRS/GPRS/Wi-Fi Communication by iDoor Technology
- Supports 30+ iDOOR combination with four main categories

Introduction

Advantech's new generation UNO-2000 series of Embedded Automation Computers are Fanless with highly ruggedized with embedded operation system. New UNO-2000 series implement Universal, Customized, and Domain idea into modular design concept which provides flexible and time-to-market support in variety of applications. The series also includes iDOOR technology which supports automation feature-extensions such as Multiple I/O Peripheral, Industrial Fieldbus, Smart I/O Communication, and Signal Communication. New UNO-2000 series including pocket, small, and regular-size form-factors with indicated market segments in terms of different kinds of smart factory application categories such as Equipment Connectivity (EC), Process Visualization (PV), Environment Management (EM), and Dispatch Management (DM) solution. New UNO enables smart factory and fulfill all application.

Specifications

General

- Certification** CE, FCC, UL, CCC, BSMI
- Dimensions (W x D x H)** 200 x 140 x 40 (7.8" x 5.6" x 1.6"), Optimized UNO-2484G
200 x 140 x 70 (7.8" x 5.6" x 2.8"), Universal/ Customized UNO-2484G
- Form Factor** Regular Size with stackable design
- Enclosure** Aluminum Housing
- Mounting** Stand, Wall, VESA (Optional), DIN-rail (Optional)
- Weight (Net)** 1.2KG (2.65lb)
- Power Requirement** 10 - 36 V_{DC}
- Power Consumption** 55W (Typical), 85W (Max)
- OS Support** Microsoft® Windows 10, Windows 7, Advantech Linux

System Hardware

- BIOS** AMI EFI64 Mbit
- Watchdog Timer** Programmable 256 levels timer interval, from 1 to 255 sec
- Processor** 6th Gen Intel Core i7-6600U, 2.6GHz 4M Smartcache
6th Gen Intel Core i5-6300U, 2.4GHz 3M Smartcache
6th Gen Intel Core i3-6100U, 2.3GHz 3M Smartcache
Built-in 8GB DDR4 1866/2133 MHz
- Memory** Intel® HD Graphics 520
- Graphics Engine** Intel® HD Graphics 520
- Ethernet** Intel i219-IT GbE, 802.1Qav, IEEE1588/802.1AS, 802 Intel i219-IT GbE
- LED Indicators** LEDs for Power, HDD, LAN (Active, Status), RTC Battery low
- Storage** One mSATA (co-lay mPCIe)
Two drive bay for SATA 2.5" SSD/HDD
CFast by iDOOR Technology (Optional)
- Expansion** 1 x full-size mPCIe slot on first stack
Optional 3 x full-size mPCIe slots on 2nd extension I/O card

I/O Interfaces

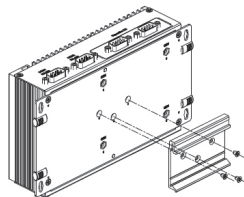
- Serial Ports** 4 x RS 232/422/485
- LAN Ports** 4 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000Base-T Fast Ethernet
- USB Ports** 4 x USB3.0
- Displays** 1 x HDMI supports 1920x1080, 1 X DP supports 4K
- Audio** Line-out
- Power Connector** 1 x 2 Pins, Terminal Block
- Grounding Protection** Chassis Grounding

Environment

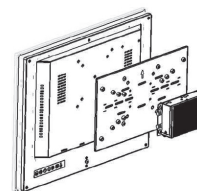
- Operating Temperature** -20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7 m/s airflow
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11 ms
- Vibration Protection** Operating, IEC 60068-2-64,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

Installation Scenario

DIN-rail Mount Illustration



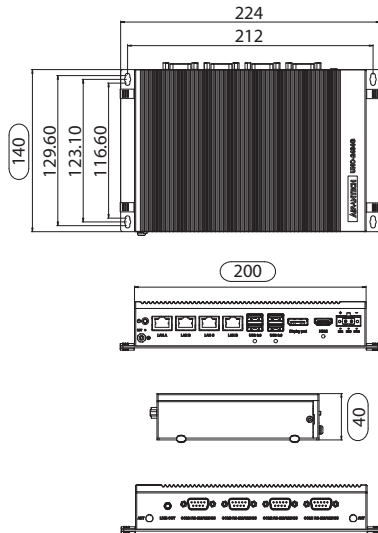
VESA Mount Illustration



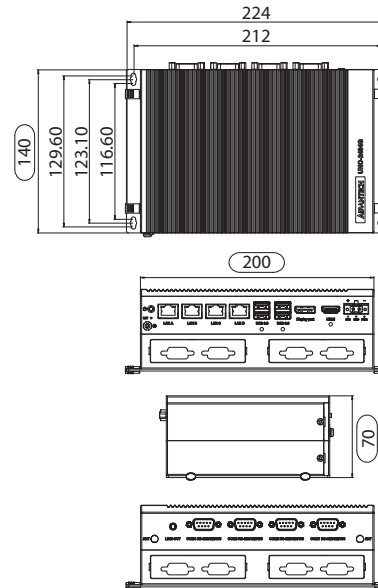
Dimensions

Unit: mm

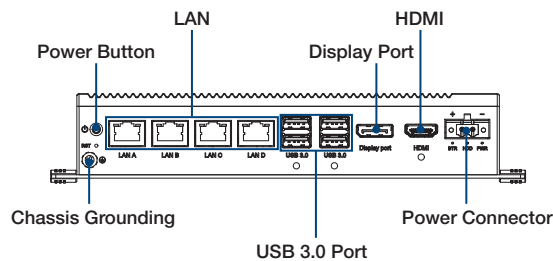
UNO-2484G Optimized UNO



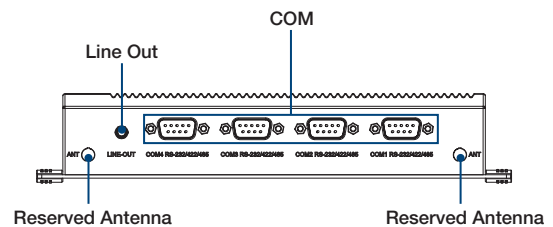
UNO-2484G Universal UNO



Front I/O View



Rear I/O View



Ordering Information

- **UNO-2484G-6731AE** Intel Core i7-6600U, 2.6GHz, 8G RAM, 4 x GbE LAN, 4 x USB3.0, 4 x COM, 1 x mPCIe
- **UNO-2484G-6531AE** Intel Core i5-6300U, 2.4GHz, 8G RAM, 4 x GbE LAN, 4 x USB3.0, 4 x COM, 1 x mPCIe
- **UNO-2484G-6331AE** Intel Core i3-6100U, 2.3GHz, 8G RAM, 4 x GbE LAN, 4 x USB3.0, 4 x COM, 1 x mPCIe
- **UNO-2484G-6732AE** Universal Intel Core i7-6600U, 2.6GHz, 8G RAM, 4 x GbE LAN, 4 x USB3.0, 4 x COM, 4 x mPCIe
- **UNO-2484G-6532AE** Universal Intel Core i5-6300U, 2.4GHz, 8G RAM, 4 x GbE LAN, 4 x USB3.0, 4 x COM, 4 x mPCIe
- **UNO-2484G-6332AE** Universal Intel Core i3-6100U, 2.3GHz, 8G RAM, 4 x GbE LAN, 4 x USB3.0, 4 x COM, 4 x mPCIe

iDoor Modules

- **PCM-24S2WF-AE** 802.11 a/b/g/n 2T2R w/ Bluetooth4.0, Half-size mPCIe, 2-port SMA
- **PCM-24S23G-AE** 6-band HSPA Cellular Module, GPS, SIM holder, SMAx2
- **PCM-24R2GL-AE** 2-Port Gigabit Ethernet, mPCIe, RJ45
- **PCM-24D2R2-AE** 2-Port Isolated RS-232 mPCIe, DB9
- **PCM-24D4R4-AE** 4-Port Non-Isolated RS-422/485 mPCIe, DB37
- **PCM-24R1TP-AE** 1-Port Gigabit Ethernet, Intel® 82574L, mPCIe, RJ45
- **PCM-27D24DI-AE** 24-Channel Isolated Digital I/O w/ counter mPCIe, DB37

Optional Accessories

- **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-2484G-EKAE** UNO-2484G second stack expansion module
- **UNO-2000G-VMKAE** UNO-2000 VESA Mount Kit
- **UNO-2000G-DMKAE** UNO-2484G DIN RAIL Kit
- **TBD** Windows 10 Enterprise image for UNO-2484G
- **TBD** WES7P image for UNO-2484G MUI