

# 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 with 8GB DDR4 built-in memory
- 4 x GbE, 4 x USB 3.0, 1 x HDMI, 1 x DP, 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
- Dedicated TPM2.0 microcontroller designed for hardware security
- Diverse system I/O and isolated digital I/O by iDoor technology
- Supports Fieldbus protocol by iDoor technology
- 3G/GPS/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 and highly ruggedized with embedded OS. New UNO-2000 series are modular designs which provide 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 peripherals, Industrial Fieldbus, and smart I/O Communication. New UNO-2000 series including pocket, small, and regular-size form-factors for smart factory applications such as Equipment Connectivity (EC), Process Visualization (PV), Environment Management (EM), and Dispatch Management (DM) solutions.

## 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" ) for single stack  
UNO-2484G version  
200 x 140 x 70 (7.8" x 5.6" x 2.8") for double stack  
UNO-2484G version
- **Form Factor** Regular Size with stackable design
- **Enclosure** Aluminum Housing
- **Mounting** Stand, Wall, VESA (Optional), DIN-rail (Optional)
- **Weight (Net)** Single stack: 1.4kg (3.09lbs)  
Double stack: 1.6kg (3.53lbs)
- **Power Requirement** 10 ~ 36 V<sub>DC</sub>
- **Power Consumption** 55W (Typical), 95.2W (Max)
- **OS Support** Microsoft® Windows 7, 10, Advantech Linux (UNO-2484G-6 series)  
Microsoft® Windows 10, Advantech Linux (UNO-2484G-7 series)

### System Hardware

- **BIOS** AMI EFI64 Mbit
- **Watchdog Timer** Programmable 255 levels timer interval, from 1 to 255 sec
- **Processor** 6th Gen Intel Core i7-6600U, 2.6GHz  
i5-6300U, 2.4GHz  
i3-6100U, 2.3GHz  
7th Gen Intel Core i7-7600U, 2.8GHz  
i5-7300U, 2.6GHz  
i3-7100U, 2.4GHz
- **Memory** Built-in 8GB DDR4 2133 MHz
- **Graphics Engine** Intel® HD Graphics 620
- **Ethernet** LAN A: Intel i219-IT GbE, 802.1Qav, IEEE1588/802.1AS, 802  
LAN B-D: Intel i210-IT GbE, 802.1Qav, IEEE1588/802.1AS, 802
- **LED Indicators** LEDs for Power, HDD, LAN (Active, Status), RTC Battery low
- **Storage** One mSATA (slot shared with mPCIe slot)  
Two drive bay for SATA 2.5" SSD/HDD (Support RAID 0/1)
- **Expansion** 1 x full-size mPCIe slot for single stack version  
4 x full-size mPCIe slots for double stack version

### I/O Interfaces

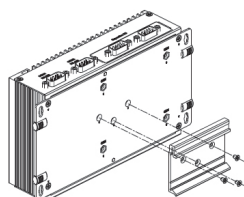
- **Serial Ports** 4 x RS 232/422/485
- **LAN Ports** 4 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet
- **USB Ports** 4 x USB3.0
- **Displays** 1 x HDMI supports 1920 x 1080 @60Hz,  
1 x DP supports 3840 x 2160 @30Hz
- **Audio** Line-out
- **Power Connector** 1 x 2 Pins, Terminal Block

### Environment

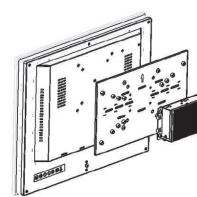
- **Operating Temperature** -20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7 m/s airflow
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- **Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11 ms
- **Vibration Protection** Operating, IEC 60068-2-64, 3 Grms, random, 5 ~ 500 Hz, 1hr/axis (mSATA)
- **Ingress Protection** IP40

## Installation Scenario

### DIN-rail Mount Illustration



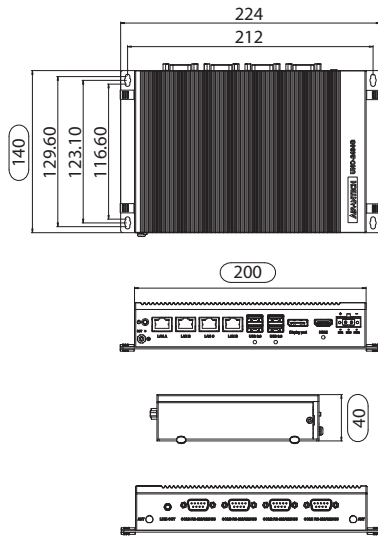
### VESA Mount Illustration



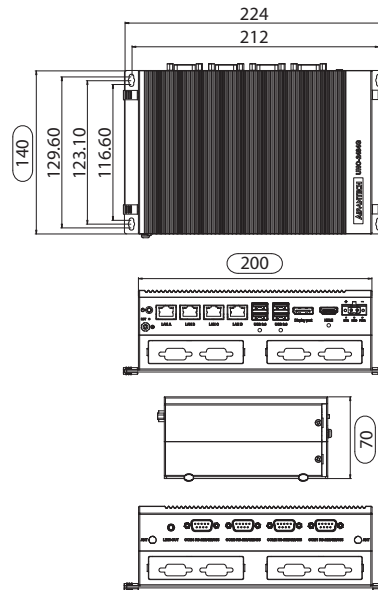
## Dimensions

Unit: mm

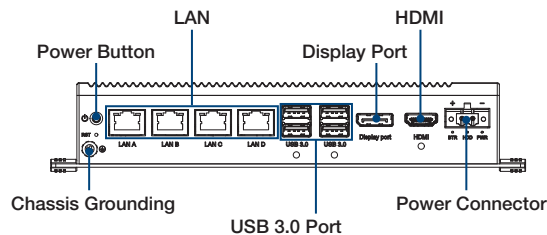
### UNO-2484G Single stack version



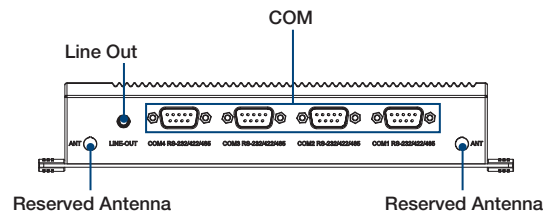
### UNO-2484G double stack version



## Front I/O View



## Rear I/O View



## Ordering Information

|              | Ordering Part Number | CPU generation | CPU      | mPCIe slot | iDoor | USB | COM | LAN |
|--------------|----------------------|----------------|----------|------------|-------|-----|-----|-----|
| Single Stack | UNO-2484G-7731AE     | 7 Gen.         | i7-7600U | 1          | x     | 4   | 4   | 4   |
|              | UNO-2484G-7531AE     |                | i5-7300U |            |       |     |     |     |
|              | UNO-2484G-7331AE     |                | i3-7100U |            |       |     |     |     |
|              | UNO-2484G-6731AE     | 6 Gen.         | i7-6600U |            |       |     |     |     |
|              | UNO-2484G-6531AE     |                | i5-6300U |            |       |     |     |     |
| Double Stack | UNO-2484G-6331AE     | 7 Gen.         | i3-6100U | 4          | v     | 4   | 4   | 4   |
|              | UNO-2484G-7732AE     |                | i7-7600U |            |       |     |     |     |
|              | UNO-2484G-7532AE     |                | i5-7300U |            |       |     |     |     |
|              | UNO-2484G-7332AE     | 6 Gen.         | i3-7100U |            |       |     |     |     |
|              | UNO-2484G-6732AE     |                | i7-6600U |            |       |     |     |     |
|              | UNO-2484G-6532AE     |                | i5-6300U |            |       |     |     |     |
|              | UNO-2484G-6332AE     |                | i3-6100U |            |       |     |     |     |

## iDoor Modules

- PCM-24S2WF-BE 802.11 a/b/g/n 2T2R w/ Bluetooth 4.0, 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-BE 2-Port Isolated RS-232 mPCIe, DB9
- PCM-24D4R4-BE 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

Contact Advantech for all compatible iDoor lists

## Optional Accessories

- 96PSA-A150W24T2 Power Adapter 150W
- 96PSA-A120W24T2 Power Adapter 120W
- 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
- UNO-2000G-VMKAE
- UNO-2000G-DMKAE
- UNO-2000-LKAE

Power Cable China/Australia Plug 1.8 M (Industrial Grade)  
UNO-2000 VESA Mount Kit  
UNO-2484G DIN RAIL Kit  
Cable lockable kit 10 units/per pack

## Second Stack Extension Module

- UNO-2484G-EKAE
- UNO-2484G-S2AE

UNO-2484G second stack extension module for supporting 4 iDoors  
External swappable HDD extension kit (Dual HDD bay)

## Operating System

- UNO-2484G-6 series:
  - 20703WE7PS0009
  - 2070015318
  - 2070015319

WS7P X64 MUI V4.18 B023 Image  
WIN10 LTSB V6.01B056 for i7 version  
WIN10 LTSB V6.01B056 for i5/i3 version

- UNO-2484G-7 series:
  - 20703WX6HS0008
  - 20703WX6VS0006

WIN10 LTSB v6.02 B009 for i7 version  
WIN10 LTSB v6.02 B009 for i5/i3 version

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



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

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



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.