

# UNO-2484G

Intel® Core™ i7/i5/i3 Regular-Size Modular Box Platform with 4 x GbE, 1 x mPCIe, 5 X HDMI, DP

## Preliminary



## 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, 4 x USB 2.0, 5 x HDMI, 1 x DP (4K), 4 x RS232/422/485
- Compact Fanless Design
- Ruggedized by lockable I/O design
- Optional TPM2.0 for Cyber Security
- Chassis Grounding Protection
- 3G/GPS/GPRS/Wi-Fi Communication by iDoor Technology

## 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 70 (7.8" x 5.6" x 2.8")
- Enclosure** Aluminum Housing
- Mounting** Stand, Wall, VESA (Optional), DIN-rail (Optional)
- Weight (Net)** 1.5KG (2.65lb)
- Power Requirement** 10 - 36 V<sub>DC</sub>
- 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
- Memory** Built-in 8GB DDR4 1866/2133 MHz
- Graphics Engine** Intel® HD Graphics 520
- Ethernet** Intel i210-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
- Expansion** 1 x full-size mPCIe slot on first stack

### I/O Interfaces

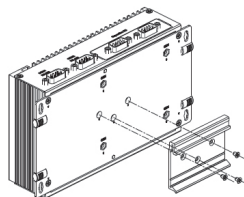
- Serial Ports** 4 x RS 232/422/485
- LAN Ports** 4 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000Base-T Fast Ethernet
- USB Ports** 4 x USB3.0, 4 x USB2.0
- Displays** 5 x HDMI supports 1920x1080, 1 X DP supports 4K Line-out
- Audio** 1 x 2 Pins, Terminal Block
- Power Connector** Chassis Grounding

### Environment

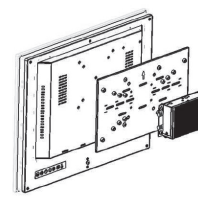
- Operating Temperature** 0 ~ 40°C (32 ~ 104°F) @ 5 ~ 85% RH with 0.7 m/s airflow
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11 ms
- Vibration Protection** Operating, IEC 60068-2-64, 2 Grms, random, 5 ~ 500 Hz, 1hr/axis (mSATA)
- Ingress Protection** IP40

## Installation Scenario

### DIN-rail Mount Illustration



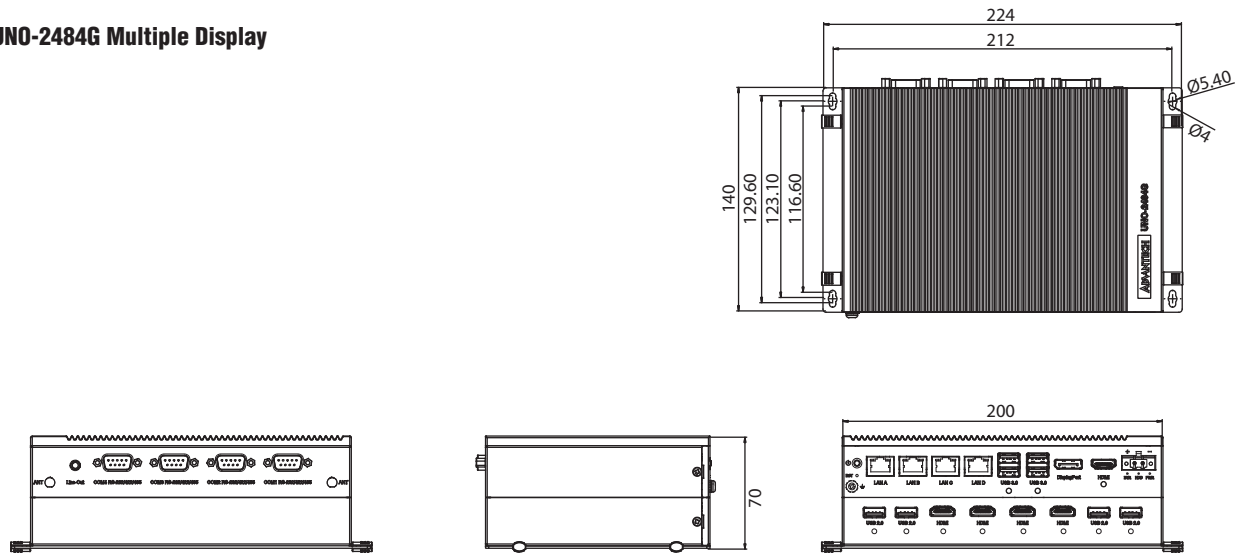
### VESA Mount Illustration



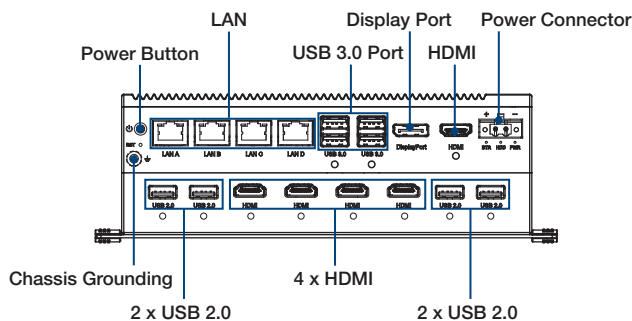
## Dimensions

### UNO-2484G Multiple Display

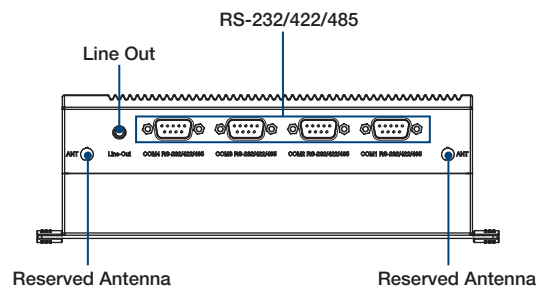
Unit: mm



## Front I/O View



## Rear I/O View



## Ordering Information

- **UNO-2484G-6732H5AE** Intel Core i7-6600U, 2.6GHz, 8G RAM, 4 x GbE LAN, 4 x USB2.0, 4 x USB3.0, 4 x COM, 1 x mPCIe, 5 x HDMI
- **UNO-2484G-6532H5AE** Intel Core i5-6300U, 2.4GHz, 8G RAM, 4 x GbE LAN, 4 x USB2.0, 4 x USB3.0, 4 x COM, 1 x mPCIe, 5 x HDMI
- **UNO-2484G-6332H5AE** Intel Core i3-6100U, 2.3GHz, 8G RAM, 4 x GbE LAN, 4 x USB2.0, 4 x USB3.0, 4 x COM, 1 x mPCIe, 5 x HDMI

## 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
- **96PSA-A150W24T2** 150W power adapter