UNO-2484G
(Luxuriant IO Solution)

Intel® Core™ i7/i5/i3 Regular-Size Box PC with 8 x COM, 8 x USB, 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, 4 x USB2.0, 1 x HDMI, 1 x DP, 8 x RS232/422/485
- Compact fanless design
- Lockable I/O design
- Dedicated TPM2.0 micro controller designed for hardware security

CCC CE FCC c(UL)us LISTED E190881 I.T.E. RoHS COMPLIANT 2002/95/EC

Introduction

Advantech's new generation UNO-2000 series of embedded automation computers are highly ruggedized, fanless, and modular designs. New UNO-2000 series implement universal, customized, and domain-specific ideas into modular design, which provides flexible, fast time-to-market support for a 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 include pocket, small, and regular-sized form-factors for different kinds of smart factory applications such as Equipment Connectivity (EC), Process Visualization (PV), Environment Management (EM), and Dispatch Management (DM).

Specifications

General

- **Certification** CE, FCC, UL, CCC
- **Dimensions (W x D x H)** 200 x 140 x 70 (7.8" x 5.6" x 2.8")
- **Form Factor** Regular Size
- **Enclosure** Aluminum Housing
- **Mounting** Stand, Wall, VESA (Optional), DIN-rail (Optional)
- **Weight (Net)** 1.6kg (3.53lbs)
- **Power Requirement** 10 - 36 V_{DC}
- **Power Consumption** 55W (Typical), 95.2W (Max)
- **OS Support** Microsoft® Windows 7, 10, Advantech Linux

System Hardware

- **BIOS** AMI EFI64 Mbit
- **Watchdog Timer** Programmable 255 levels timer interval, from 1 to 255 sec
- **Hardware Security** TPM2.0
- **Processor** 6th Gen Intel Core i7-6600U, 2.6GHz
  i5-6300U, 2.4GHz
  i3-6100U, 2.3GHz
- **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
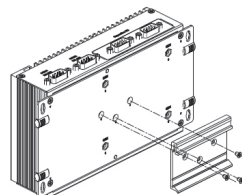
I/O Interfaces

- **Serial Ports** 8 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** 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
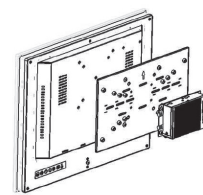
Environment

- **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
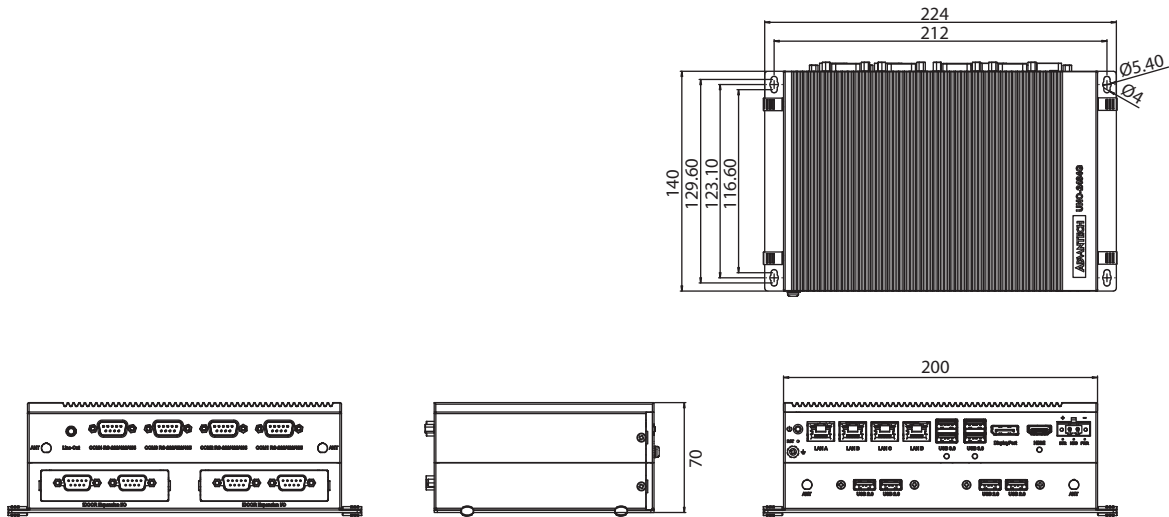
Installation Scenario

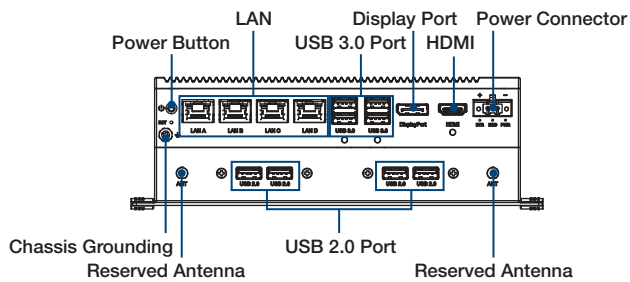**DIN-rail Mount Illustration**
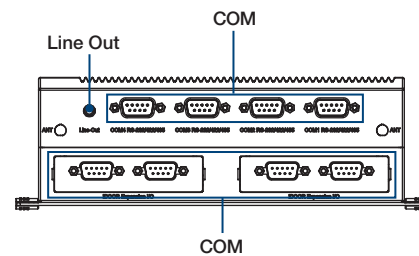

VESA Mount Illustration

Dimensions

Unit: mm

Front I/O View

Power Button
LAN
USB 3.0 Port
Display Port
HDMI
Power Connector

Chassis Grounding
Reserved Antenna
USB 2.0 Port
Reserved Antenna

Rear I/O Veiw

Line Out
COM
COM

Ordering Information

Part Number	CPU generation	CPU	RAM	mPCIe slot	iDoor	USB	COM	LAN	DP	HDMI
UNO-2484G-6732UAE		i7-6600U								
UNO-2484G-6532UAE	6 Generation	i5-6300U	8G	1	x	8	8	4	1	1
UNO-2484G-6332UAE		i3-6100U								

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

Operating System

- **20703WE7PS0009**　WS7P X64 MUI V4.18 B023 Image
- **2070015318**　WIN10 LTSB V6.01B056 for i7 version
- **2070015319**　WIN10 LTSB V6.01B056 for i5/i3 version

Please note: If some optional modules are offered with the system, additional system certificates may be required in certain regions/countries.
Please contact Advantech for certificate compliance.