

UNO-2484G (Multi-Display Solution)

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

Preliminary



Features

- Intel® Core™ i7 Processor 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
- Dedicated TPM2.0 microcontroller designed for hardware security

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
- Weight (Net)** 1.5KG (2.65lb)
- Power Requirement** 10 ~ 36 V_{DC}
- Power Consumption** 55W (Typical), 95.2W (Max)
- OS Support** Microsoft® Windows 7

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 4M Smartcache
- Memory** Built-in 8GB DDR4 2133 MHz
- Graphics Engine** Intel® HD Graphics 520 / AMD E6465
- 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** Built-in 128GB SSD

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 @60Hz, 1 X DP supports 1920 x 1080 @60Hz
- Audio** Line-out
- Power Connector** 1 x 2 Pins, Terminal Block

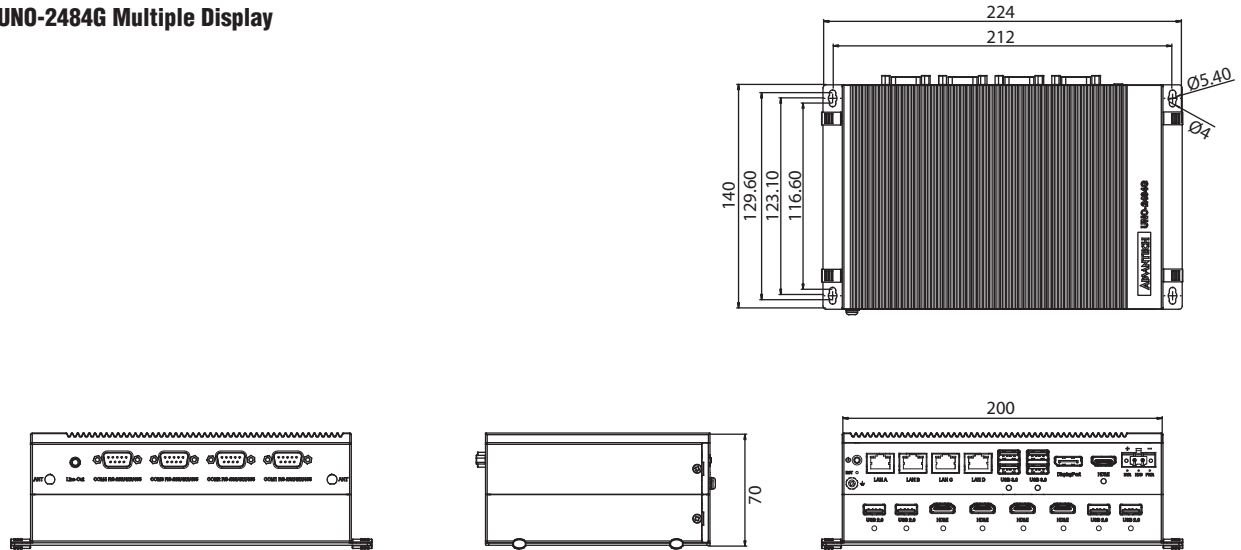
Environment

- 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

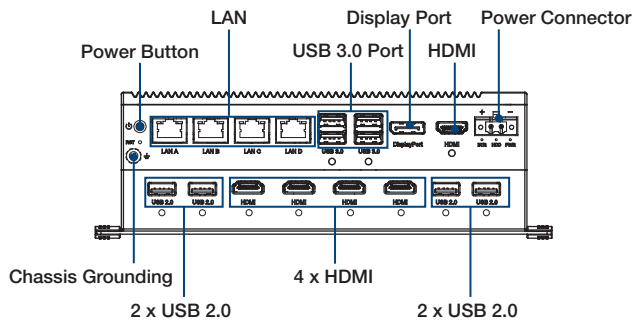
Dimensions

Unit: mm

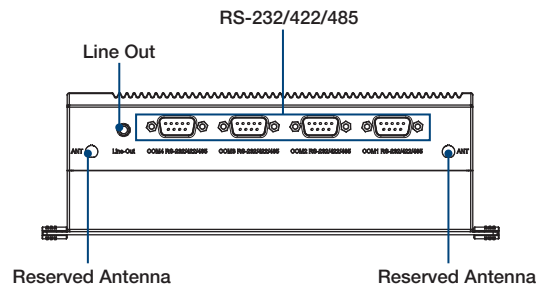
UNO-2484G Multiple Display



Front I/O View



Rear I/O View



Ordering Information

- **UNO-2484G-6732H5AE** Intel Core i7-6600U, 2.6GHz, 8GB RAM, 4 x GbE LAN, 4 x USB2.0, 4 x USB3.0, 4 x COM, 5 x HDMI, 1 x DP

Optional Accessories

- **96PSA-A150W24T2** 150W power adapter
- **96PSA-A120W24T2** 120W power adapter
- **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)