

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 micro controller designed for hardware security

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, 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

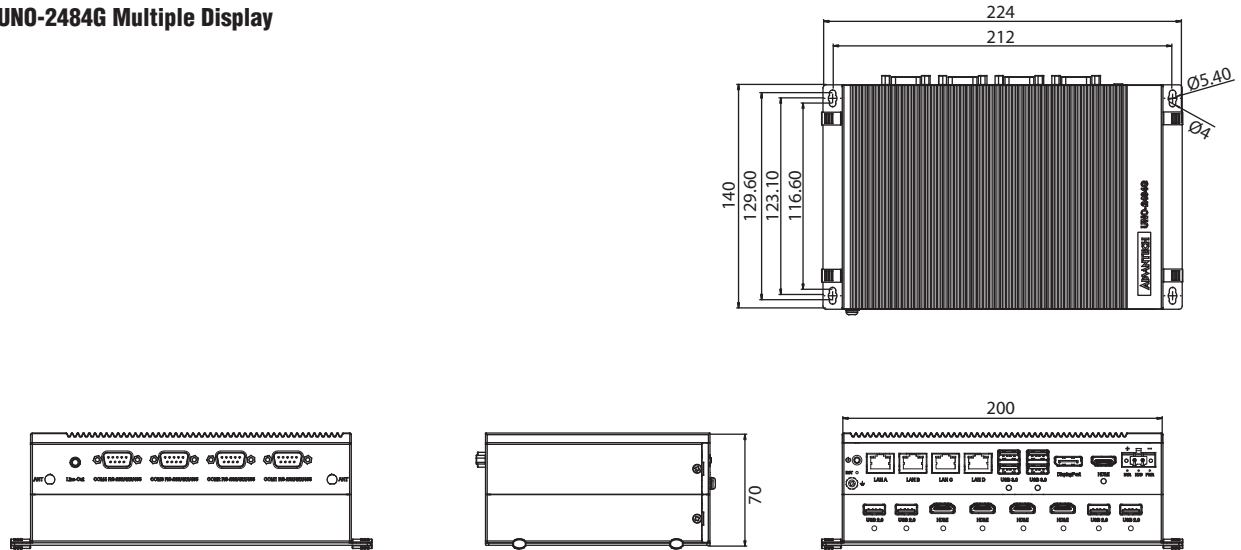
Environment

- **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

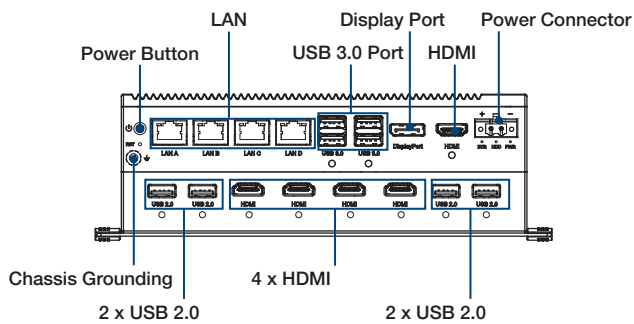
Dimensions

Unit: mm

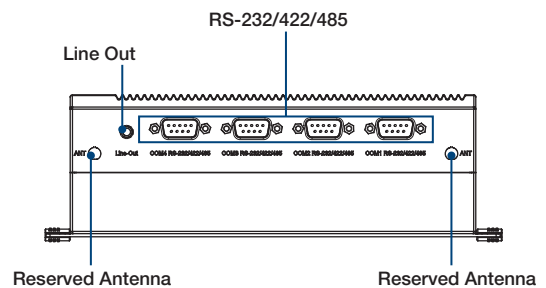
UNO-2484G Multiple Display



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

Operating System

- **20703WE7PS0036** WS7P X64 MUI V4.18 B033 Image

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)