# 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

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

## 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: 1.8kg (3.97lbs)
- **Power Requirement** — 10 - 36 $V_{DC}$
- **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
- **Hardware Security** — TPM2.0
- **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 (only support wireless iDOOR)
  4 x full-size mPCIe slots for double stack version (1 slot for wireless iDOOR, 3 slots for all iDOOR modules)
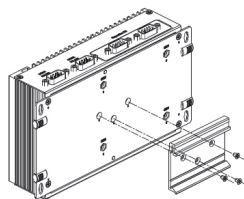
### I/O Interfaces

- **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
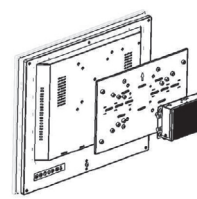
### Environment

- **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

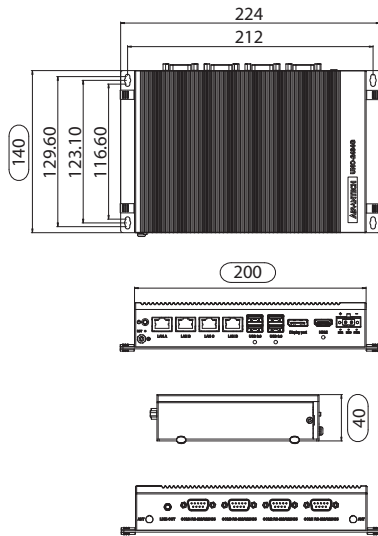## Installation Scenario

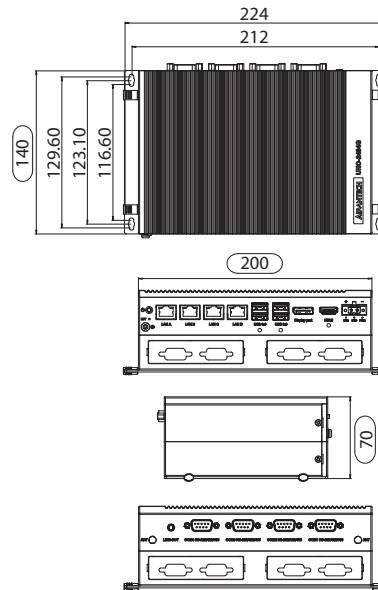**DIN-rail Mount Illustration**

**VESA Mount Illustration**

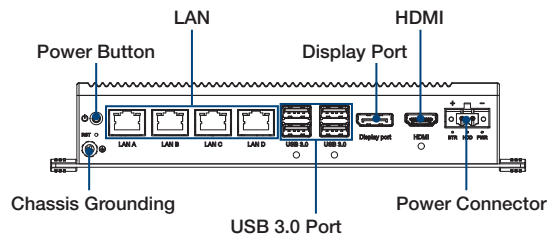**ADVANTECH**  |  **Industrial IoT Gateways**

All product specifications are subject to change without notice.                    Last updated: 4-Oct-2019

# Dimensions

Unit: mm

**UNO-2484G Single stack version**



**UNO-2484G double stack version**



# Front I/O View



Power Button
LAN
Display Port
HDMI
Chassis Grounding
USB 3.0 Port
Power Connector

# Rear I/O Veiw



Line Out
COM
Reserved Antenna
Reserved Antenna
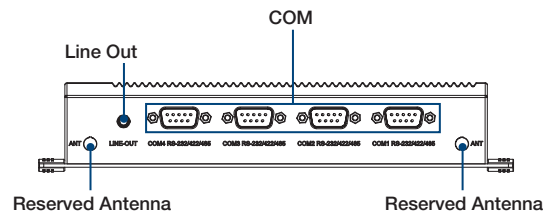
# Ordering Information

| | 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-5531AE | | i5-7300U | | | | | |
| | UNO-2484G-7331AE | | i3-7100U | | | | | |
| | UNO-2484G-6731AE | 6 Gen. | i7-6600U | | | | | |
| | UNO-2484G-6531AE | | i5-6300U | | | | | |
| | UNO-2484G-6331AE | | i3-6100U | | | | | |
| Double Stack | UNO-2484G-7732AE | 7 Gen. | i7-7600U | 4 | v | | | |
| | UNO-2484G-7532AE | | i5-7300U | | | | | |
| | UNO-2484G-7332AE | | i3-7100U | | | | | |
| | UNO-2484G-6732AE | 6 Gen. | 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/ Bluetooth4.0, 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**  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

**UNO-2484G-6 series:**
- **20703WE7PS0009**  WS7P X64 MUI V4.18 B023 Image
- **20703WX9HS0001**  WIN10 LTSC V6.04 for i7 version
- **20703WX9VS0001**  WIN10 LTSC V6.04 for i5/ i3 version

**UNO-2484G-7 series:**
- **20703WX9HS0000**  WIN10 LTSC V6.04 for i7 version
- **20703WX9VS0000**  WIN10 LTSC V6.04 for i5/ i3 version

# Extended Module

## UNO-2484G-EKBE

**2nd stack expansion module for support 4 x iDOOR (3 mPCIe slot) on UNO-2484G-xx31AE**

### Specifications

| General | |
|---|---|
| Ports | 4 x iDOOR (3 x mPCIe only) |
| Dimensions | 200 x 140 x 40 mm |
| Weight | 400g |
| **Environment** | |
| Operating Temperature | -20 ~ 60 °C |

### Ordering Information

| P/N | Description |
|---|---|
| UNO-2484G-EKBE | UNO-2484G 2nd stack expansion module for 4 iDoor |

## UNO-2484G-S2AE

**2nd stack expansion module for support 2 external swappable HDD/SSD Storage on UNO-2484G-xx31AE**

### Specifications

| General | |
|---|---|
| Ports | 2 x external swappable HDD/SSD Storage |
| Dimensions | 200 x 140 x 40 mm |
| Weight | 400g |
| **Environment** | |
| Operating Temperature | -20 ~ 60 °C |

### Ordering Information

| P/N | Description |
|---|---|
| UNO-2484G-S2AE | UNO-2484G external swappable HDD extension kit |

## UNO-2484G-PCIEAE

**2nd stack expansion module for support 1 PCIex4 card**

Front view
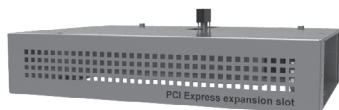
Side View
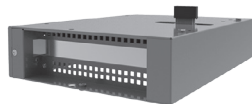
### Specifications

| General | |
|---|---|
| Ports | 1 xPCIex4 slot for half-length PCIe card (W167 x H111 mm) |
| Dimensions | 200 x 140 x 40 mm |
| Weight | 400g |
| Power consumption | 15W (Max) |
| **Environment** | |
| Operating Temperature | 0 ~ 50 °C (Depends on expansion card) |

### Ordering Information

| P/N | Description |
|---|---|
| UNO-2484G-PCIEAE | UNO-2484G second stack PCIex4 expansion module |

# UNO-2483G

## Intel® Core™ i7/i3/Celeron® Regular-Size Automation Computer w/ 4 x GbE, 3 x mPCIe, HDMI, VGA

**NEW**
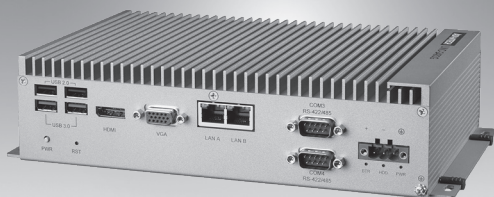
## Features

- 4th generation Intel® Core™ i7/i3/Celeron® processors up to 1.9GHz with 4GB/8GB DDR3L Memory
- 4 x GbE, 4 x USB 2.0/3.0, 2 x RS-232, 2 x RS-422/485, 1 x VGA, 1 x HDMI, Audio
- Compact, with fanless design
- Rubber stopper design with captive screws
- Dual HDD/SSD support with RAID 0/1 in regular-size
- Diverse system I/O and isolated digital I/O by iDoor technology
- 3G/GPS/GPRS/Wi-Fi communication by iDoor technology
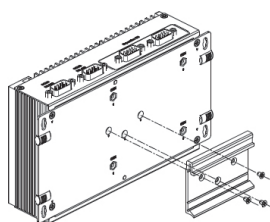- Supports MRAM by iDoor technology
- LAN redundancy (teaming)

## Introduction

Advantech's new generation UNO-2000 series of Embedded Automation Computers are a highly ruggedized fanless and modular design. It includes iDoor technology which supports automation feature extensions such as industry fieldbus communication, Wi-Fi/3G, Digital I/O. There are various form factor offering from Pocket-size, Palm, and Regular-size in terms of entry, value and performance product positioning. Both entry and value Embedded Automation Computers feature specific functions and they are suitable for data gateway, concentrator and data server applications. The performance model can shorten your development time and offer multiple networking interfaces to fulfill a diverse range of requirements.

## Specifications

### General

| | |
|---|---|
| **Certification** | CE, FCC, UL, CCC, BSMI |
| **Dimensions (W x D x H)** | 252 x 149 x 62 mm (9.9" x 5.9" x 2.4") |
| **Form Factor** | Regular Size |
| **Enclosure** | Aluminum Housing |
| **Mounting** | Stand, Wall, VESA (Optional) |
| **Weight (Net)** | 1.6kg (3.5lbs) |
| **Power Requirement** | 24$V_{DC}$ ± 20% |
| **Power Consumption** | 44W (Typical), 87W (Max) |
| **OS Support** | Microsoft® Windows 7/8, Windows 10, Advantech Linux |

### System Hardware

| | |
|---|---|
| **BIOS** | AMI UEFI 128Mbit Flash BIOS |
| **Watchdog Timer** | Programmable 255 levels timer interval, from 1 to 255 sec |
| **Processor** | 4th Gen Intel® Core™ i7-4650U ULT 1.7 GHz Dual Core<br>4th Gen Intel® Core™ i3-4010U ULT 1.7 GHz Dual Core<br>4th Gen Intel® Celeron® 2980U ULT 1.6 GHz Dual Core |
| **System Chip** | Integrated Intel SoC Chipset |
| **Memory** | Built-in 4GB DDR3L 1600 MHz for UNO-2483G-4C3AE<br>Built-in 8GB DDR3L 1600 MHz for UNO-2483G-434AE and UNO-2483G-474AE |
| **Graphics Engine** | Intel® HD Graphics |
| **Ethernet** | LAN A: Intel® i218-LM GbE, Intel® AMT (for UNO-2483G-474AE), IEEE1588/802.1AS, 802.3az<br>LAN B~D: Intel® i210-IT GbE, 802.1Qav, IEEE1588/802.1AS, 802.3az |
| **LED Indicators** | LEDs for Power, battery, LAN (Active, Status), COM (Tx/Rx) and HDD |
| **Storage** | One mSATA<br>Two drive bays for SATA 2.5" HDD (Compatible with 9.5mm height HDD) |
| **Expansion** | 2 x Full-size mPCIe slot; 1 x Half-size mPCIe slot, mPCIe 2.0 |

### I/O Interfaces

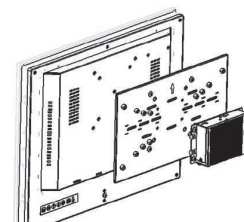| | |
|---|---|
| **Serial Ports** | 2 x RS-232, DB9, 50 ~ 115.2kbps<br>2 x RS-422/485, DB9, auto flow control, 50 ~ 115.2kbps |
| **LAN Ports** | 4 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet |
| **USB Ports** | 4 x USB Ports (2 x USB 2.0, 2 x USB 3.0 compliant) |
| **Displays** | 1 x VGA, supports 1920 x 1080 @ 60Hz 24bpp<br>1 x HDMI 1.4a, supports 3840 x 2160 @30Hz 24bpp & 1920 x 1080 @60Hz, 24bpp |
| **Audio** | Line-In, Line-Out |
| **Power Connector** | 1 x 3 Pins, Terminal Block |

### Environment

| | |
|---|---|
| **Operating Temperature** | - 20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7m/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, 11ms |
| **Vibration Protection** | Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz, 1hr/axis (mSATA)<br>Operating, IEC 60068-2-64, 0.7Grms, random, 5 ~ 500Hz, 1hr/axis (HDD) |
| **Ingress Protection** | IP40 |

## Installation Scenario

**DIN-rail Mount Illustration**

**VESA Mount Illustration**

All product specifications are subject to change without notice.

Last updated: 27-Jun-2018

## Dimensions

Unit: mm



## Front I/O View



USB 2.0/3.0 Ports · HDMI · VGA · RJ45 LAN · RS-422/485 · Power Connector

Power LED · Reset Button · Transmit & Receive LEDs · BTR, HDD & PWR LED Lights · Chassis Grounding

## Rear I/O View



RJ45 LAN · Audio Ports · Rubber Stopper

Antenna · RS-232 · RS-232 · iDoor Expansion Slot · Antenna

## Ordering Information

- **UNO-2483G-4C3AE**  Intel® Celeron 2980U ULT 1.6GHz, 4GB, 4 x LANs, 2 x mPCIe
- **UNO-2483G-434AE**  Intel® Core™ i3-4010U ULT 1.7GHz, 8GB, 4 x LANs, 2 x mPCIe
- **UNO-2483G-474AE**  Intel® Core™ i7-4650U ULT 1.7GHz, 8GB, 4 x LANs, 2 x mPCIe

## iDoor Modules

- **PCM-23C1CF-BE**  1 CFast Slot with Cover Protection
- **PCM-23U1DG-BE**  Internal locked USB Slot for USB Dongle
- **PCM-24R2GL-AE**  2-Port Gigabit Ethernet, mPCIe, RJ45
- **PCM-24D2R2-BE**  2-Port Isolated RS-232 mPCIe, DB9
- **PCM-24D4R2-BE**  4-Port Non-Isolated RS-232 mPCIe, DB37
- **PCM-24S2WF-BE**  WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1
- **PCM-24S33G-AE**  Wide-Temp 3.75G HSPA and GPS, Redundant SIM Card holder
- **PCM-2300MR-AE**  MR4A16B, MRAM, 2 MByte, mPCIe
- **PCM-27D24DI-AE**  24-Channel Isolated Digital I/O w/ counter mPCIe, DB37
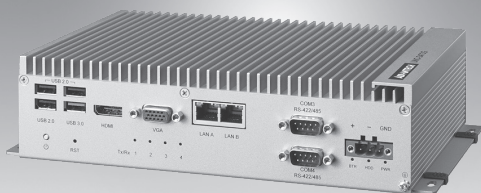
## Optional Accessories

- **96PSA-A150W24T2**  150WC to DC UNO series power adapter (Industrial Grade)
- **96PSA-A120W24T2**  120WC to DC UNO series power adapter (Industrial Grade)
- **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-DMKAE**  UNO-2000 DIN Rail Kit
- **UNO-2000G-VMKAE**  UNO-2000 VESA Mount Kit

## Embedded O/S

- **2070015070**  WIN10 Enterprise 2016 LTSB v6.01 B042 image for UNO-2483G-474AE
- **20703WX6VS0000**  WIN10 Enterprise 2016 LTSB v6.01 B042 image for UNO-2483G-434AE & 2483G-4C3AE
- **2070013459**  WES7P X64 MUI.V4.12 B003 image

# UNO-2473G

## Intel® Atom™ E3845/Celeron® J1900 Processor Regular-Size Automation Computer

NEW

## Features

- 4th Generation Intel® AtomTM/Celeron® J1900 Processor up to 1.91/2.0 GHz with 4GB DDR3L memory
- 4/2 x GbE, 3 x USB 2.0 and 1 x USB 3.0/4 x USB 2.0 and 1 x USB 3.0, 2 x RS-232, 2 x RS-422/485 (E3AE), 2 x RS-232/422/485 (J3AE), 1 x VGA, 1 x HDMI, Audio
- Compact with fanless design
- Rubber stopper design with captive screws
- Diverse system I/O and isolated digital I/O by iDoor technology
- 3G/GPS/GPRS/Wi-Fi communication by iDoor technology
- Supports MRAM by iDoor technology
- Chassis grounding protection
- LAN redundancy (Teaming)
- Fault-protected RS-485 transceivers with extended common-mode range

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

## Introduction

Advantech's UNO-2000 series of Embedded Automation Computers are a fanless and highly ruggedized design for industrial application. The series also includes iDoor technology which supports automation feature extensions such as industry fieldbus communication, Wi-Fi/3G, Digital I/O, including palm, small, and regular-size form-factors with indicated market segments in terms of entry, value and performance product positioning. Both entry and value Embedded Automation Computers feature specific functions and they are suitable for data gateway, concentrator and data server applications. The performance model can shorten your development time and offer multiple networking interfaces to fulfill a diverse range of requirements.

## Specifications

### General

- **Certification**  CE, FCC, UL, CCC, BSMI
- **Dimensions (W x D x H)**  252 x 149 x 62 mm (9.9" x 5.9" x 2.4")
- **Form Factor**  Regular Size
- **Enclosure**  Aluminum Housing
- **Mounting**  Stand, Wall, VESA (Optional), Din-rail (Optional)
- **Weight (Net)**  1.6kg (3.5lbs)
- **Power Requirements**  $24V_{DC} \pm 20\%$ (UNO-2473G-E3AE)
  $12/24V_{DC} \pm 20\%$ (UNO-2473G-J3AE)
- **Power Consumption**  UNO-2473G-E3AE: 15W (Typical), 68W (Max)
  UNO-2473G-J3AE: 15W (Typical), 55W (Max)
- **OS Support**  Microsoft® Windows 7/8, Windows 10, Windows Embedded Compact 7, Advantech Linux

### System Hardware

- **BIOS**  AMI UEFI 128Mbit Flash BIOS
- **Watchdog Timer**  Programmable 255 levels timer interval, from 1 to 255 sec
- **Processor**  Intel® Atom™ Processor E3845 1.91 GHz Quad Core
  Intel® Celeron™ Processor J1900 2.0 GHz Quad Core
- **System Chip**  Integrated Intel SoC Chipset
- **Memory**  Built-in 4GB DDR3L 1600MHz
- **Graphics Engine**  Intel® HD Graphics
- **Ethernet**  Intel® i210-IT GbE, 802.1Qav, 802.1AS, 802.3az
- **LED Indicators**  LEDs for Power, battery, LAN (Active, Status), COM (Tx/Rx) (UNO-2473G-E3AE only) and HDD
- **Storage**  One mSATA slot
  One drive bay for SATA 2.5" HDD
- **Expansion**  UNO-2473G-E3AE : 3 x Full-size mPCIe slot, mPCIe 2.0
  UNO-2473G-J3AE: 1 x Full-size mPCIe slot, mPCIe 2.0

### I/O Interfaces

- **Serial Ports**  UNO-2473G-E3AE: 2 x RS-232, DB9, 50 ~ 115.2kbps ,
  2 x RS-422/485, DB9, auto flow control, 50 ~ 115.2kbps
  UNO-2473G-J3AE: 2 x RS-232, DB9, 50 ~ 115.2kbps,
  2 x 232/422/485, DB9, auto flow control, 50 ~ 115.2kbps
- **LAN Ports**  UNO-2473G-E3AE: 4 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet
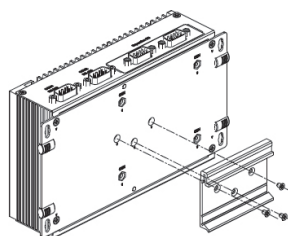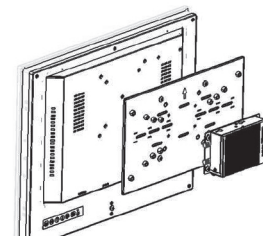  UNO-2473G-J3AE: 2 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet

- **USB Ports**  UNO-2473G-E3AE: 4 x USB Ports (3 x USB 2.0, 1 x USB 3.0 compliant)
  UNO-2473G-J3AE: 5 x USB Ports (4 x USB 2.0, 1 x USB 3.0 compliant)
- **Displays**  1 x VGA, supports 1920 x 1080 at 60Hz
  1 x HDMI, supports 1920 x 1080 at 60Hz
- **Audio**  Line-in, Line-out
- **Power Connector**  1 x 3 Pins, Terminal Block
- **Grounding Protection**  Chassis Grounding

### Environment

- **Operating Temperature**  UNO-2473G-E3AE: - 20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7m/s airflow
  UNO-2473G-J3AE: - 10 ~ 60°C (14 ~ 140°F) @ 5 ~ 85% RH with 0.7m/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, 11ms
- **Vibration Protection**  Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz, 1hr/axis (mSATA)
  Operating, IEC 60068-2-64, 0.7Grms, random, 5 ~ 500Hz, 1hr/axis (HDD)
- **Ingress Protection**  IP40
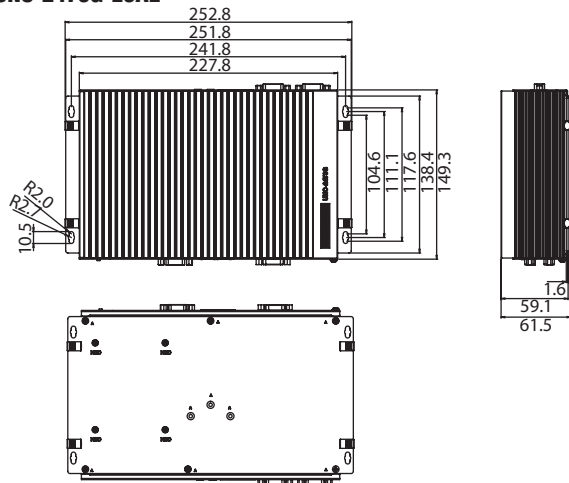
## Installation Scenario
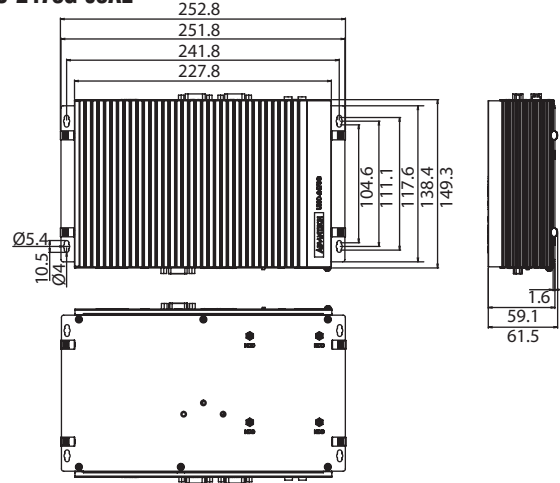
### DIN-rail Mount Illustration

### VESA Mount Illustration
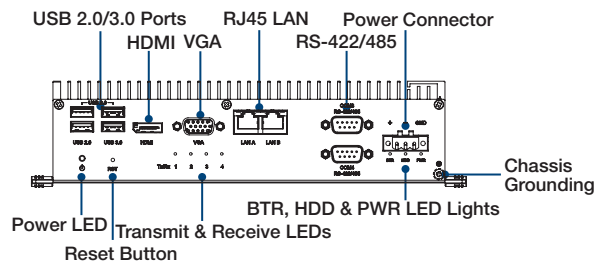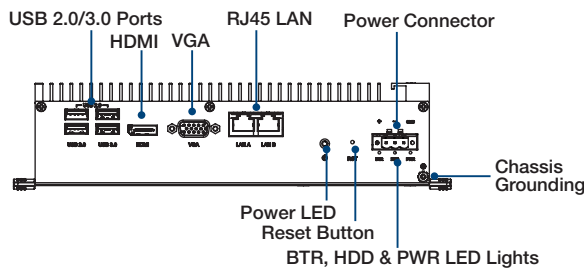
## Dimensions

Unit: mm

**UNO-2473G-E3AE**

252.8
251.8
241.8
227.8

104.6
111.1
117.6
138.4
149.3

R2.0
R2.0
10.5

1.6
59.1
61.5

**UNO-2473G-J3AE**

252.8
251.8
241.8
227.8

104.6
111.1
117.6
138.4
149.3

Ø5.4
Ø4.5
10.5

1.6
59.1
61.5

## Front I/O View

**UNO-2473G-E3AE**

USB 2.0/3.0 Ports
HDMI VGA
RJ45 LAN
RS-422/485
Power Connector

Chassis Grounding

Power LED
Reset Button
Transmit & Receive LEDs
BTR, HDD & PWR LED Lights

**UNO-2473G-J3AE**

USB 2.0/3.0 Ports
HDMI VGA
RJ45 LAN
Power Connector

Chassis Grounding

Power LED
Reset Button
BTR, HDD & PWR LED Lights

## Rear I/O View

**UNO-2473G-E3AE**

RS-232
Line-out
Line-in
iDoor Expansion Slot

Rubber Stopper

Antenna
RJ45 LAN

**UNO-2473G-J3AE**

USB 2.0 Ports
RS-232 Ports
iDoor Expansion Slot

Antenna
Line-out
Line-in
RS-232/422/485 Ports
Antenna

## Ordering Information

- **UNO-2473G-E3AE**    Intel® Atom™ E3845 1.91GHz, 4GB, 4 x LANs, 3 x mPCIe
- **UNO-2473G-J3AE**    Intel® Celeron J1900 2.0GHz, 4GB, 2 x LANs, 1 x mPCIe

## iDoor Modules

- * PCM-23C1CF-BE    1 CFast Slot with Cover Protection
- * PCM-23U1DG-BE    Internal locked USB Slot for USB Dongle
- * PCM-24R2GL-AE    2-Port Gigabit Ethernet, mPCIe, RJ45
- * PCM-24U2U3-AE    2-Port USB 3.0, mPCIe, USB-A type
- * PCM-24D2R2-BE    2-Port Isolated RS-232 mPCIe, DB9
- * PCM-24D4R2-BE    4-Port Non-Isolated RS-232 mPCIe, DB37
- * PCM-24S2WF-BE    WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1
- * PCM-24S33G-AE    Wide-Temp 3.75G HSPA and GPS, Redundant SIM Card holder
- *PCM-2300MR-AE    MR4A16B, MRAM, 2 MByte, mPCIe
- * PCM-27D24DI-AE    24-Channel Isolated Digital I/O w/ counter mPCIe, DB37

## Optional Accessories

- **96PSA-A60W24T2**    ADP A/D 100-240V 60W 24V C14 Cord End Terminal
- **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-DMKAE**    UNO-2000 DIN Rail Kit
- **UNO-2000G-VMKAE**    UNO-2000 VESA Mount Kit

## Embedded O/S

- **2070014934**    WIN10 ENT 2016 LTSB V6.01 B022
- **2070014322**    WS7P X64 MUI. V4.14B001
- **2070015315**    WEC7 MUI V4.01 B093

# UNO-2372G

**Intel Atom/Celeron Small-Size Modular Box Platform with 2 GbE, 4 USB, 4 COM, 2 mPCIe, HDMI, DP**

**NEW**

UNO-2372G-E021AE ▲    UNO-2372G-E022AE ▲

iDoor ⊖ ⒸⒸⒸ CE FCC

## Features

- Intel Atom E3845/Celeron® J1900 Quad-Core processors with 4G DDR3L memory
- Robust and cableless design with high stability
- 2 x GbE, 4 x USB, 4 x RS-232/422/485, 1 x HDMI, 1 x DP
- Modular design with flexibility to extend second stack for function enhancement
- Compact size with fanless design
- Rubber stopper design for stand mount and optional kit for DIN-rail mount, and VESA mount
- Optional 3G/GPS/GPRS/Wi-Fi communication

## Introduction

Advantech's new generation UNO-2000 series of Embedded Automation Computers are a highly ruggedized fanless and modular design. The incredible modularity of UNO-2372G offers numerous performance and cost-saving advantages, including elimination of unnecessary features and expenses, accelerated production and delivery, rapid deployment and integration, reduced system downtime and maintenance costs, and support for future upgrades and expansion. The UNO-2372G's modular design features optimized I/O and an optional second expansion stack that support Advantech's iDoor technology. This allows the platform functionalities to be easily extended and customized with the integration of various iDoor modules, including industrial Fieldbus, wireless communication, I/O and peripheral module, to provide purpose-built, future-proof solutions that satisfy specific application requirements.

## Specifications

### General

- **Certification**      CE, FCC, UL, CCC, BSMI
- **Dimensions (W x D x H)** 150 x 105 x 35mm (5.8" x 4.2" x 1.4")
- **Form Factor**      Small Size
- **Enclosure**      Aluminum Housing
- **Mounting**      Stand, Wall, VESA (Optional), DIN-rail (Optional)
- **Weight (Net)**      1.0kg (2.2lbs)
- **Power Requirement** 10 - 36V$_{DC}$
- **Power Consumption** 30W (Typical), 42W (Max)
- **OS Support**      Microsoft® Windows 7, Windows 10, Advantech Linux

### System Hardware

- **BIOS**      AMI UEFI64 Mbit
- **Watchdog Timer** Programmable 255 levels timer interval, from 1 to 255 sec
- **Hardware Security** TPM2.0 (UNO-2372G-J Series)
- **Processor**      Intel® Atom Quad Core E3845 1.91GHz / Intel® Celeron® Quad Core J1900, 2GHz
- **Memory**      Built-in 4GB DDR3L 1333MHz (Up to 8GB)
- **Graphics Engine** Intel HD Graphics
- **Ethernet**       Intel® i210-IT GbE, 802.1Qav, 802.1AS, 802.3az
- **LED Indicators** LEDs for Power, RTC battery, LAN (Active, Status) and HDD
- **Storage**      1 x mSATA shared with mPCIe slot
                   1 x drive bay for SATA 2.5" HDD (Compatible with 9.5mm height HDD)
- **Expansion**      2 x Full size mPCIe slots

### I/O Interfaces

- **Serial Ports**      4 x RS232/422/485, DB9, 50 ~ 115.2kbps
- **LAN Ports**      2 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet
- **USB Ports**      1 x USB 3.0, 3 x USB 2.0 Compliant
- **Displays**      1 x DisplayPort 1.2, supports 2560 x 1440p
                   1 x HDMI v1.4, supports 1920 x 1080p @60Hz
- **Power Connector** 1 x 2 Pins, Terminal Block

### Environment

- **Operating Temperature** -20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7m/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, 11ms
- **Vibration Protection** Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz, 1hr/axis (mSATA)
                   Operating, IEC 60068-2-64, 0.75Grms, random, 5 ~ 500Hz, 1hr/axis (HDD)
- **Ingress Protection** IP40

## Installation Scenario

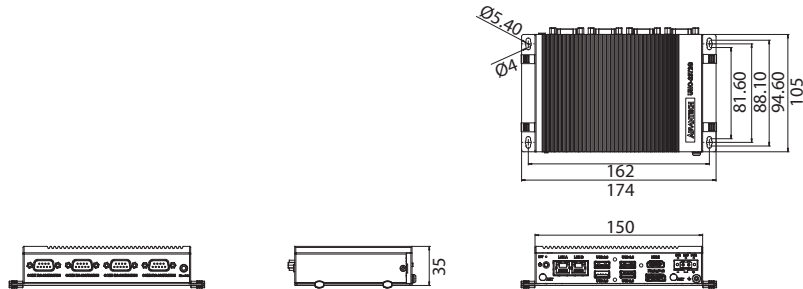**DIN-rail Mount Illustration**
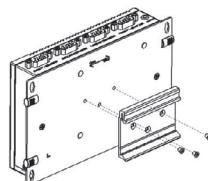


**VESA Mount Illustration**
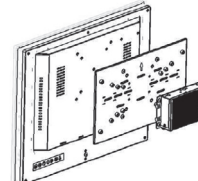


## Ordering Information

- **UNO-2372G-E021AE**  Intel Atom E3845 1.91GHz, 4GB, 2 x GbE, 2 x mPCIe, HDMI/DP (Single Stack)
- **UNO-2372G-E022AE**  Intel Atom E3845 1.91GHz, 4GB, 2 x GbE, 2 x mPCIe, HDMI/DP (Dual Stack for iDOOR expansion)
- **UNO-2372G-J021AE**  Intel Celeron J1900 2.0GHz, 4GB, 2 x GbE, 2 x mPCIe, HDMI/DP (Single Stack)
- **UNO-2372G-J022AE**  Intel Celeron J1900 2.0GHz, 4GB, 2 x GbE, 2 x mPCIe, HDMI/DP (Dual Stack for iDOOR expansion)
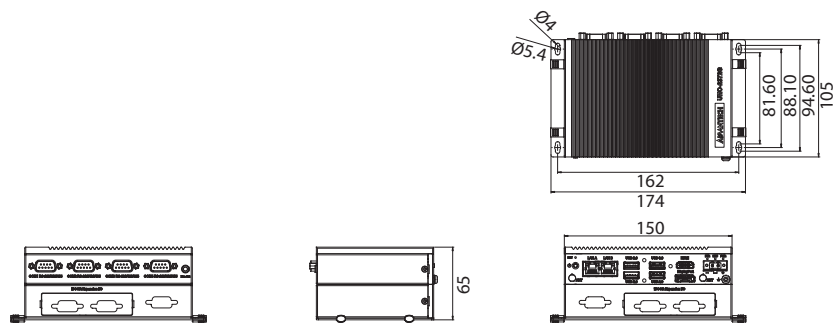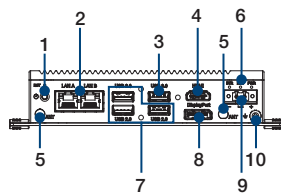
# Dimensions

Unit: mm

**Single Stack**

Ø5.40
Ø4

81.60
88.10
94.60
105

162
174

35

150

**Dual Stack**

Ø4
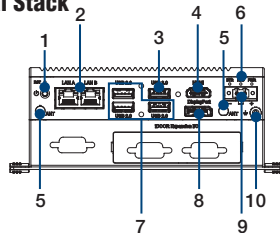Ø5.4

81.60
88.10
94.60
105

162
174

150

65

# Front I/O View
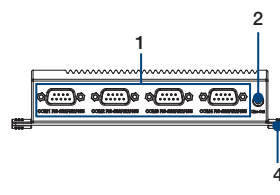
**Single Stack**

**Dual Stack**

1. Power Button
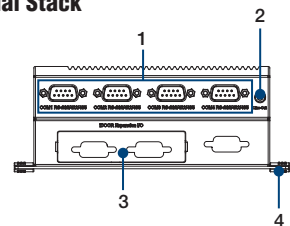2. RJ45 LAN
3. USB 3.0
4. HDMI
5. Reserved Antenna

6. BTR, HDD & PWR LED Lights
7. USB 2.0
8. DisplayPort
9. Power Connector
10. Chassis Grounding

# Rear I/O View

**Single Stack**

**Dual Stack**

1. RS-232/422/485
2. Line Out

3. iDoor Expansion Slot
4. Rubber Stopper

# iDoor Modules

iDoor modules are supported by UNO-2372G-E022AE & UNO-2372G-J022AE.
(UNO-2372G-E021AE & UNO-2372G-J021AE can also support iDoor modules by adding 2nd stack extension kit UNO-2372G-EKBE)

- **PCM-24D2R2-BE**    2-Port Isolated RS-232 mPCIe, DB9
- **PCM-24D2R4-BE**    2-Port Isolated RS-422/485 mPCIe, DB9
- **PCM-24D4R2-BE**    4-Port Non-Isolated RS-232 mPCIe, DB37
- **PCM-24D4R4-BE**    4-Port Non-Isolated RS-422/485 mPCIe, DB37
- **PCM-26D2CA-AE**    2-Port Isolated CANBus mPCIe, CANopen, DB9
- **PCM-27D24DI-AE**    24-Channel Isolated Digital I/O w/ counter mPCIe, DB37
- **PCM-24R1TP-AE**    1-Port Gigabit Ethernet, Intel® 82574L, mPCIe, RJ45
- **PCM-24S2WF-BE**    WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1
- **PCM-24S33G-AE**    Wide-Temp 3.75G HSPA and GPS, 2-in-1, Full-size mPCIe w/ Redundant SIM Card holder, 2-port SMA

Contact Advantech for more compatible iDoor solutions

# Optional Accessories

- **96PSA-A60W24T2**    A/D 100-240V 60W 24V C14 Cord End Terminal 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)
- **UNO-2000G-DMKAE**    UNO-2000 DIN Rail Kit
- **UNO-2000G-VMKAE**    UNO-2000 VESA Mount Kit
- **UNO-2000-LKAE**    Cable lockable kit 10 units/per pack

# Embedded OS

**UNO-2372G-E0xxAE**

- **20703WE7PS0002**    WS7P X64 MUI V4.18 B007 image
- **20703WX6ES0003**    WIN10ENT 2016LTSB v6.02B016 image

**UNO-2372G-J0xxAE**

- **20703WX6ES0003**    WIN10LTSB v6.02 B016 image
- **20703WC70S0034**    WEC7 MUI V4.02 B116 image
- **20703WE7PS0019**    WS7P x64 MUI V4.19 B009 image

# Extended Module

## UNO-2372G-EKBE

**2<sup>nd</sup> stack expansion module for support
2 x iDOOR on UNO-2372G-xx21AE**



## Specifications

| General | |
|---|---|
| Ports | 2 x iDOOR (Chassis only) |
| Dimensions | 150 x 155 x 35 mm |
| Weight | 200g |
| **Environment** | |
| Operating Temperature | -20 ~ 60 °C |

## Ordering Information

| P/N | Description |
|---|---|
| UNO-2372G-EKBE | UNO-2372G 2nd stack expansion module |

# UNO-2362G

## AMD® Dual Core T40E Small-Size Automation Computer w/ 1 x GbE, 1 x mPCIe, HDMI, DP

**NEW**
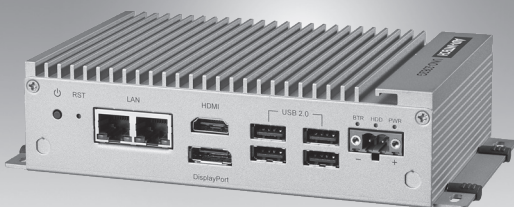
## Features

- Onboard AMD® Dual Core T40E 1.0GHz processors with 2GB DDR3 SODIMM memory
- 1 x GbE, 4 x USB 2.0, 1 x RS-232, 1 x RS-485, 1 x DP, 1 x HDMI
- Compact with fanless design
- Rubber stopper design with captive screws
- Daisy-chain for Ethernet with auto-bypass protection enabled
- Diverse system I/O and isolated digital I/O by iDoor technology
- 3G/GPS/GPRS/Wi-Fi communication by iDoor technology
- Supports battery-backup MRAM by iDoor technology
- Chassis grounding protection

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

## Introduction

Advantech's UNO-2000 series of Embedded Automation Computers are fanless, with a highly ruggedized embedded operating system (Windows CE, Windows XPE, Linux-Embedded). The series also includes iDoor technology which supports automation feature extensions such as industry fieldbus communication, Wi-Fi/3G, Digital I/O, including palm, small, and regular-size form-factors with indicated market segments in terms of entry, value and performance product positioning. Both entry and value Embedded Automation Computers feature specific functions and they are suitable for data gateway, concentrator and data server applications. The performance model can shorten your development time and offer multiple networking interfaces to fulfill a diverse range of requirements.

## Specifications

### General

- **Certification** CE, FCC, UL, CCC, BSMI
- **Dimensions ( W x D x H )** 190 x 107 x 47 mm (7.5" x 4.2" x 1.8")
- **Form Factor** Small Size
- **Enclosure** Aluminum Housing
- **Mounting** Stand, Wall, DIN-rail (Optional), VESA (Optional)
- **Weight (Net)** 1.0kg (2.2lbs)
- **Power Requirement** 24VDC ±15%
- **Power Consumption** 14W (Typical), 47.3W (Max)
- **OS Support** Microsoft® Windows XP/7/8 WES7
  Advantech Linux

### System Hardware

- **BIOS** AMI UEFI 32Mbit Flash BIOS
- **Watchdog Timer** Programmable 255 levels timer interval, from 1 to 255 sec
- **Processor** AMD® G-series T40E 1.0GHz dual core
- **System Chip** AMD® A50M FCH
- **Memory** On-board 2GB DDR3 1066 MHz
- **Graphics Engine** AMD Radeon™ HD 6250 DirectX® 11 graphics with UVD 3.0 2D/3D Accelerator
- **Ethernet** Realtek RTL8111E, Marvell 88E6172 Giga Ethernet switch with daisy chain technology
- **LED Indicators** LEDs for Power, battery, LAN (Active, Status) and HDD
- **Storage** One mSATA drive
  One drive bay for SATA 2.5" HDD (Compatible with 9.5mm height HDD)
  Note: iDoor technology isn't compatible with HDD storage
- **Expansion** 1 x Full-size mPCIe slot, mPCIe 2.0 (supports SIM card)
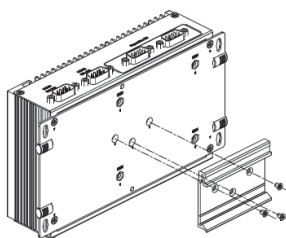
### I/O Interfaces

- **Serial Ports** 1 x RS-232, DB9, 50 ~ 115.2kbps
  1 x RS-485, DB9, auto flow control, 50 ~ 115.2kbps
- **LAN Ports** 2 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet
- **USB Ports** 4 x USB 2.0 Compliant
- **Displays** 1 x DisplayPort 1.1, supports 1920 x 1080 @ 60Hz
  1 x HDMI v1.3, supports 1920 x 1080 @ 60Hz
- **Power Connector** 1 x 2 Pins, Terminal Block
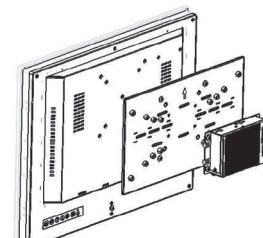- **Grounding Protection** Chassis Grounding

### Environment

- **Operating Temperature** - 10 ~ 60°C (14 ~ 140°F) @ 5 ~ 85% RH with 0.7m/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, 11ms
- **Vibration Protection** Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz, 1hr/axis (mSATA)
  Operating, IEC 60068-2-64, 0.75Grms, random, 5 ~ 500Hz, 1hr/axis (HDD)
- **Ingress Protection** IP40
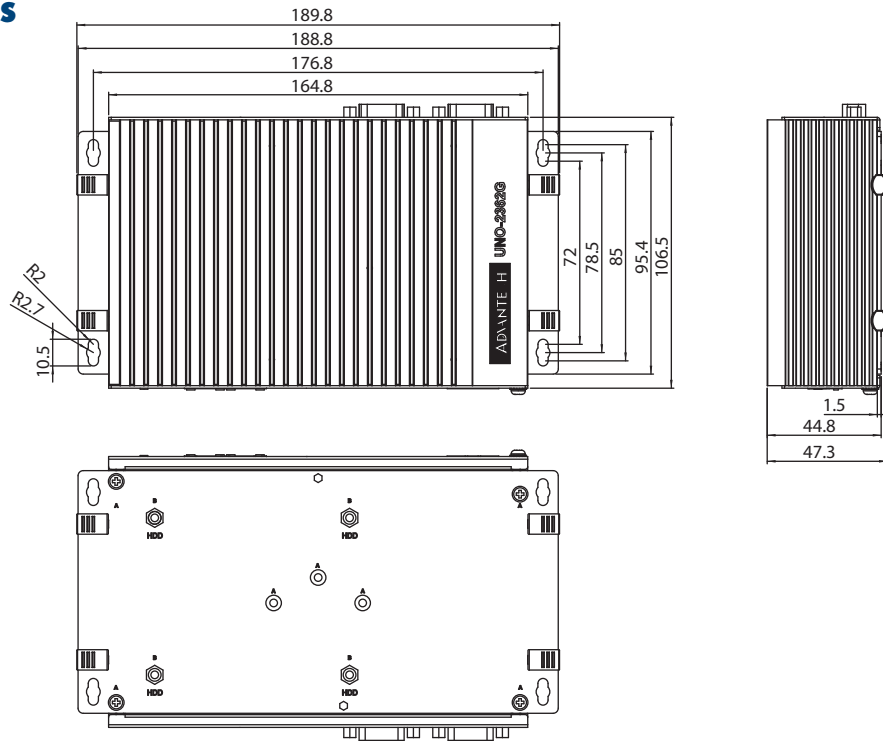
## Installation Scenario
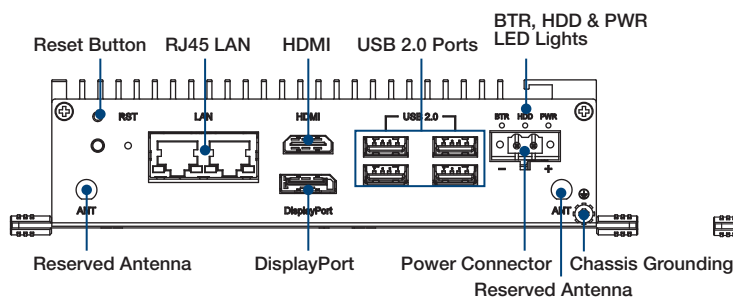
**DIN-rail Mount Illustration**
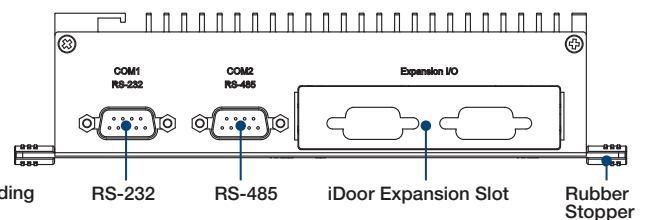
**VESA Mount Illustration**

# Dimensions

Unit: mm



189.8
188.8
176.8
164.8

72
78.5
85
95.4
106.5

R2
R2.7
10.5

1.5
44.8
47.3

# Front I/O View



Reset Button    RJ45 LAN    HDMI    USB 2.0 Ports    BTR, HDD & PWR LED Lights

RST    LAN    HDMI    USB 2.0    BTR  HDD  PWR

ANT    DisplayPort    ANT

Reserved Antenna    DisplayPort    Power Connector    Chassis Grounding
Reserved Antenna

# Rear I/O View



COM1 RS-232    COM2 RS-485    Expansion I/O

RS-232    RS-485    iDoor Expansion Slot    Rubber Stopper

# Ordering Information

- **UNO-2362G-T2AE**    AMD G-series T40E 1.0GHz, 2GB, 1 x GbE, 1 x mPCIe, HDMI, DP

# iDoor Modules

- **PCM-24D2R2-BE**    2-Port Isolated RS-232 mPCIe, DB9
- **PCM-24D2R4-BE**    2-Port Isolated RS-422/485 mPCIe, DB9
- **PCM-24D4R2-BE**    4-Port Non-Isolated RS-232 mPCIe, DB37
- **PCM-24D4R4-BE**    4-Port Non-Isolated RS-422/485 mPCIe, DB37
- **PCM-26D2CA-AE**    2-Port Isolated CANBus mPCIe, CANopen, DB9
- **PCM-27D24DI-AE**    24-Channel Isolated Digital I/O w/ counter mPCIe, DB37
- **PCM-24R1TP-AE**    1-Port Gigabit Ethernet, Intel® 82574L, mPCIe, RJ45
- **PCM-24S2WF-BE**    WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1
- **PCM-24S33G-AE**    Wide-Temp 3.75G HSPA and GPS, 2-in-1, Full-size mPCIe w/ Redundant SIM Card holder, 2-port SMA

# Optional Accessories

- **96PSA-A60W24T2**    60W AC to DC UNO series power adapter (Industrial Grade)
- **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-DMKAE**    UNO-2000 DIN Rail Kit
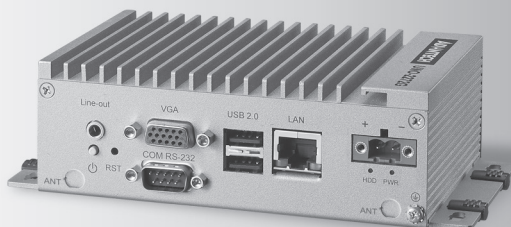- **UNO-2000G-VMKAE**    UNO-2000 VESA Mount Kit

# Embedded O/S

- **2070014506**    Win10 LTSB X64 MUI. V6.00B002 image
- **2070013078**    WEC7 MUI.V4.00 B022 image
- **2070015121**    WES2009 x86 MUI v3.35 B001 image

# UNO-2272G

Intel® Atom™/Celeron® Palm-Size Automation Computer with 1 x GbE, 2 x mPCIe, VGA/HDMI

**NEW**

## Features

- Intel® Atom™ N2800/J1900 Processors with 2GB DDR3/DDR3L Memory
- 1 x GbE, 3 x USB 2.0/3.0, 1 x COM, 1 x VGA or HDMI, Audio
- Compact with Fanless Design
- Rubber Stopper Design with Captive Screw
- 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 MRAM by iDoor Technology

## Introduction

Advantech's UNO-2000 series of Embedded Automation Computers are fanless, with a highly ruggedized embedded operating system (Linux-Embedded). The series also includes iDoor technology which supports automation feature extensions such as industry fieldbus communication, Wi-Fi/3G, Digital I/O, including palm, small, and regular-size form-factors with indicated market segments in terms of entry, value, and performance product positioning. Both entry and value Embedded Automation Computers feature specific functions and they are suitable for data gateway, concentrator and data server applications. The performance model can shorten your development time and offer multiple networking interfaces to fulfill a diverse range of requirements.

## Specifications

### General

- **Certification** — CE, FCC, UL, CCC, BSMI
- **Dimensions (W x D x H)** — 157 x 88 x 50 mm (6.2" x 3.5" x 2.0")
- **Form Factor** — Palm Size
- **Enclosure** — Aluminum Housing
- **Mounting** — Stand, Wall, VESA (Optional), DIN-rail (Optional)
- **Weight (Net)** — 0.8 kg (1.76 lbs)
- **Power Requirement** — 24$V_{DC}$ ± 20%
- **Power Consumption** — 14W (Typical), 45.3W (Max)
- **OS Support** — UNO-2272G-N2AE: Microsoft® Windows 7, Advantech Linux
  UNO-2272G-J2AE: Microsoft® Windows 7, Windows 10, Advantech Linux

### System Hardware

- **BIOS** — AMI EFI64 Mbit
- **Watchdog Timer** — Programmable 256 levels timer interval, from 1 to 255 sec
- **Processor** — Intel Atom Dual Core N2800 1.86 GHz
  Intel Celeron Quad Core J1900 2.0 GHz
- **System Chip** — Intel Atom SoC integrated
- **Memory** — Built-in 2GB DDR3 1066 MHz for UNO-2272G-N2AE
  Built-in 2GB DDR3L 1333 MHz for UNO-2272G-J2AE, up to 8GB
- **Graphics Engine** — Intel® HD Graphics
- **Ethernet** — Intel 82583V GbE, 802.1Qav, IEEE1588/802.1AS, 803.3az for UNO-2272G-N2AE
  Intel i210 GbE, 802.1Qav, IEEE1588/802.1AS, 803.3az for UNO-2272G-J2AE
- **LED Indicators** — LEDs for Power, HDD, LAN ((Active, Status)
- **Storage** — 1 x half-size mSATA for UNO-2272G-J2AE
  1 x full-size mSATA for UNO-2272G-N2AE
  Supports HDD/SSD by project
- **Expansion** — 1 x Full-size mPCIe slot, 1 x Half-size mPCIe slot for UNO-2272G-N2AE
  2 x Full-size mPCIe slot for UNO-2272G-J2AE
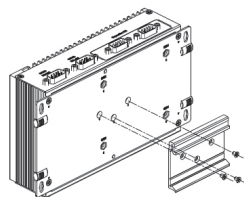
### I/O Interfaces

- **Serial Ports** — 1 x RS-232, DB9, 50 ~ 115.2kbps for UNO-2272G-N2AE
  1 x RS-232 (RS-422/485 by BIOS option), DB9, 50 ~ 115.2kbps for UNO-2272G-J2AE
- **LAN Ports** — 1 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000Base-T Fast Ethernet
- **USB Ports** — 3 x USB 2.0 for UNO-2272G-N2AE
  2 x USB 2.0 and 1 x USB 3.0 for UNO-2272G-J2AE
- **Displays** — 1 x VGA, supports 1920 x 1080 @ 60Hz 24bpp for UNO-2272G-N2AE
  1 x HDMI, supports 1920 x 1080 @ 60Hz for UNO-2272G-J2AE
- **Audio** — Line-Out
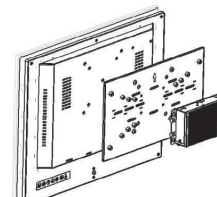- **Power Connector** — 1 x 2 Pins, Terminal Block

### Environment

- **Operating Temperature** — - 20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7 m/s airflow for UNO-2272G-N2AE
  -10 ~ 55°C (14 ~ 131) @ 5 ~ 85% RH with 0.7 m/s airflow for UNO-2272G-J2AE
- **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
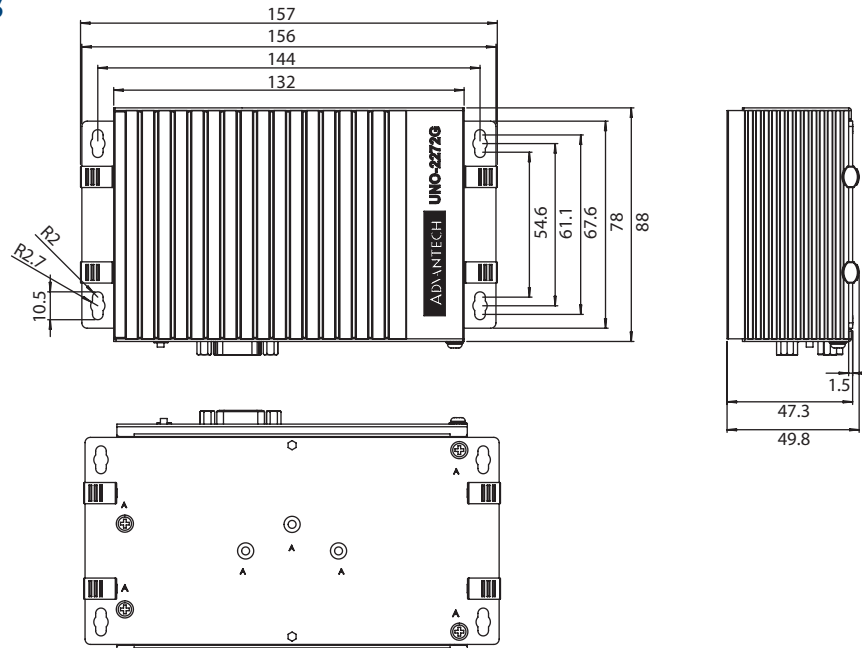
## Installation Scenario
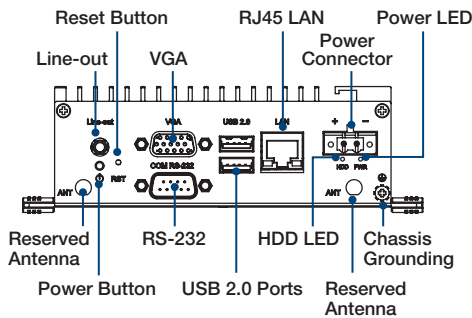
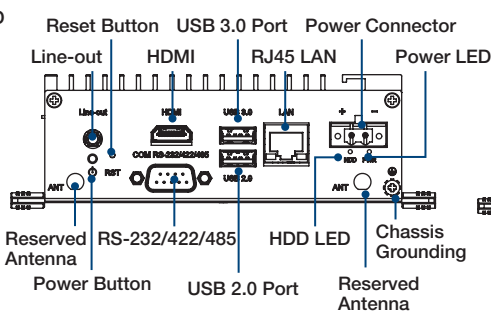### DIN-rail Mount Illustration

### VESA Mount Illustration
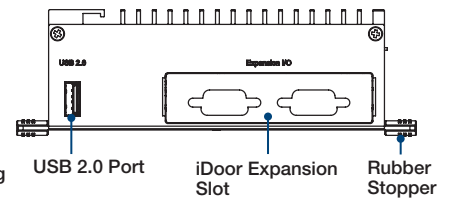
## Dimensions

Unit: mm



## Front I/O View

**UNO-2272G-N2AE**



Line-out • Reset Button • VGA • RJ45 LAN • Power Connector • Power LED
Reserved Antenna • RS-232 • HDD LED • Chassis Grounding
Power Button • USB 2.0 Ports • Reserved Antenna

**UNO-2272G-J2AE**



Line-out • Reset Button • HDMI • USB 3.0 Port • RJ45 LAN • Power Connector • Power LED
Reserved Antenna • RS-232/422/485 • HDD LED • Chassis Grounding
Power Button • USB 2.0 Port • Reserved Antenna

## Rear I/O View



USB 2.0 Port • iDoor Expansion Slot • Rubber Stopper

## Ordering Information

- **UNO-2272G-N2AE**    Intel Atom N2800 1.86GHz, 2GB, 1xLANs, 2xmPCIe
- **UNO-2272G-J2AE**    Intel Celeron J1900 2.0GHz, 2GB, 1xLANs, 2xmPCIe

## iDoor Modules

- **PCM-23U1DG-BE**    Internal locked USB Slot for USB Dongle
- **PCM-24R2GL-AE**    2-Port Gigabit Ethernet, mPCIe, RJ45
- **PCM-24D2R2-BE**    2-Port Isolated RS-232 mPCIe, DB9
- **PCM-24D4R2-BE**    4-Port Non-Isolated RS-232 mPCIe, DB37
- **PCM-24S2WF-BE**    WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1
- **PCM-24S33G-AE**    Wide-Temp 3.75G HSPA and GPS, Redundant SIM Card holder
- **PCM-2300MR-AE**    MR4A16B, MRAM, 2 MByte, mPCIe
- **PCM-27D24DI-AE**    24-Channel Isolated Digital I/O w/ counter mPCIe, DB37

## Optional Accessories

- **96PSA-A60W24T2**    60WC to DC UNO series power adapter (Industrial Grade)
- **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-DMKAE**    UNO-2000 DIN Rail Kit
- **UNO-2000G-VMKAE**    UNO-2000 VESA Mount Kit

## Embedded O/S

**UNO-2272G-N2AE**

- **2070013798**    WEC7 MUI V4.00 B044 image
- **2070013098**    WES7P X86 MUI. V4.12 B001 image

**UNO-2272G-J2AE**

- **20703WE7PS0000**    WES7P x64MUI v4.18 B008 image
- **2070014984**    WES7P X86 MUI V4.16 B004 image
- **2070014957**    WIN10ENT 2016LTSB v6.01 B023 image
- **2070014939**    WEC7 MUI V4.02 B088 image