

New Innovative Design



Modular Platform Design

Universal (general application):
Domain (vertical application):
Customized (by project base), UNO board to board connectors are suitable for all factory applications.



Time-to-Market Customization

Easy to configure and modular design enable shorter assembly time and faster time-to-market.



Wide Range PWR Input 10~36V

Wide range power input ensures normal operation in unstable power environments.



Dual Swappable SSD/HDD

Dual storage supports RAID 0/1 and external removable drive design makes for easier maintenance for data switching.



iDoor Expansion with 100+ Combinations

More than 100+ combinations of iDoor technology enable UNO to fulfill every kind of vertical application scenario.



Rubber Stopper Design with Captive Screw

Modular box uses captive screw design to prevent screw loss during assembly and rubber stoppers provide better system stability.



Cable-less Design

Cable-less design for internal space saving, enhanced MTBF, reliability of signal transition, and cost efficiency for assembly.



Lockable I/O Design

Full lockable I/O ensures the system works properly and safely in high vibration environments.



Friendly Assembly Design

User friendly screw design make assembly easier for 2nd stack and iDoor modules.

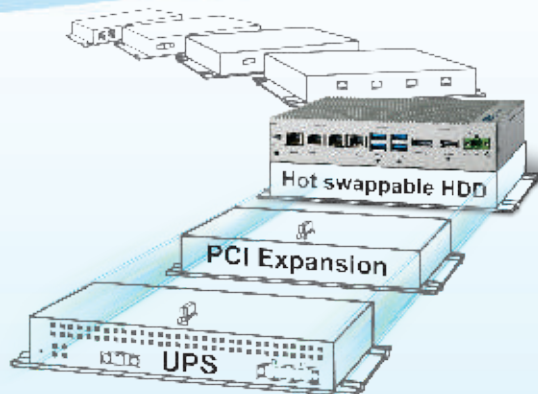


Versatile Mounting

Variety of mounting methods -VESA, DIN rail, Pole, and Stand mount.

Domain UNO

- Rugged & domain-focused housing design
- Specific industrial domain market application
- Motion/vision FPGA board extension with USB3.0/ GbE and software support
- 4 x HDMI multiple displays for dashboard & signage
- Din-Rail installation for cabinet









Customized UNO

- Optimized & rugged performance housing design
- Brand-labeling & customized stack-up housing with specific functionalities (hot-swappable dual storage, unique specific-functions)
- Tool-less maintenance design
- Own built design with FREE dimensions released

Selection Guide




Modular Box Platform Series NEW

Model Name	UNO-2271G	UNO-2372G	UNO-2484G
Optimized UNO			
Form-Factor	Pocket-Size	Small-Size	Regular-Size
CPU	Intel® Atom™ E3815 1.46GHz Single Core Intel® Atom™ E3825 1.33GHz Dual Core	Intel® Atom™ E3845 1.91GHz Quad Core Intel® Celeron™ J1900 2GHz Quad Core	6th Gen Intel® Core™ i7-6600U, 2.6GHz i5-6300U, 2.4GHz i3-6100U, 2.3GHz
Onboard RAM	4G DDR3L RAM	4G DDR3L SDRAM	8G DDR4 SDRAM
Display	1 x HDMI, supports 1920 x 1080 @ 60Hz	1xDP supports 2560 x 1440@30Hz 1 x HDMI,supports 1920 x 1080@60Hz	1xHDMI, supports 1920x1080@60Hz 1xDP, supports 3840x2160@30Hz
Audio	-	-	LINE-OUT
Serial Ports	-	4 x RS-232/422/485	4 x RS-232/422/485
Ethernet Ports	2 x 10/100/1000Base-T	2 x 10/100/1000Base-T	4 x 10/100/1000Base-T
USB Ports	1 x USB 3.0	1 x USB3.0 3 x USB2.0	4 x USB3.0
Storage	On board 32G eMMC(Optional mSATA)	1x mSATA/mPCIe, 1x SATA	1x mSATA/mPCIe, 2x SATA
Expansion	1 x Full-Size mPCIe Slot, PCIe 2.0	1 x mPCIe/mSATA, 2 x Full-size mPCIe slot	1 x mPCIe/mSATA Up to 4 mPCIe with 2nd layer
Dimension (W x D x H)	100 x 70 x 30 mm	150 x 105 x 35 mm	200 x 140 x 40 mm
Ordering Information	UNO-2271G-E21AE (Single core) UNO-2271G-E021AE (Dual core)	UNO-2372G-E021AE UNO-2372G-J021AE	UNO-2484G-6731AE(i7) UNO-2484G-6531AE(i5) UNO-2484G-6331AE(i3)
Universal UNO (Optimized UNO with Expansion)			
Expansion	1 x iDoor Expansion 1 x Small IO module (2 ports COM or 3 ports USB2.0)	2 x iDoor Expansion 1 x iDoor Expansion + 1 x Small IO module (2 ports COM or 3 ports USB2.0)	4 x iDoor Expansion 3 x iDoor Expansion + 1 x Small IO module (2 ports COM or 3 ports USB2.0)
Dimension (W x D x H)	100 x 70 x 60 mm	150 x 105 x 65 mm	200 x 140 x 70 mm
Ordering Information	UNO-2271G-E22AE (3 x USB2.0), Stand Mount UNO-2271G-E23AE (2 x COM), DIN RAIL Mount UNO-2271G-E022AE(3xUSB2.0), Stand Mount UNO-2271G-E023AE(2xCOM), DIN RAIL Mount	UNO-2372G-E022AE UNO-2372G-J022AE	UNO-2484G-6732AE(i7) UNO-2484G-6532AE(i5) UNO-2484G-6332AE(i3)

Hot Selling Series

Model Name	UNO-2272G	UNO-2362G	UNO-2483G/ 2473G
CPU	Intel Celeron Processor J1900 2.0GHz	AMD G-series T40E 1.0GHz	Intel® Core™ i3-4010U ULT 1.7GHz, Intel® Core™ i7-4650U ULT 1.7GHz, Intel® Atom™ E3845 1.91GHz Intel® Celeron J1900 2.0GHz
Storage	1 x half-size mSATA (Additional SATA by optional)	1x mSATA, 1x SATA (Optional)	UNO-2483G: 2 x SATA, 1 x mSATA UNO-2473G: 1x SATA, 1 x mSATA
Ordering Information	UNO-2272G-J2AE	UNO-2362G-T2AE	UNO-2483G-434AE UNO-2483G-474AE UNO-2473G-E3AE UNO-2473G-J3AE

Advantech iDoor Module

Industrial Fieldbus	Wireless Communication	Industrial I/O & Peripheral
 <p>CANopen, PROFIBUS, PROFINET, EtherCAT, EtherNet/IP, POWERLINK, Sercos III</p> <p> ■ PCM-26D2CA ■ PCM-26R2EC ■ PCM-26R2PN ■ PCM-26R2S3 </p>	 <p>WiFi/Bluetooth, Zigbee, RFID/NFC, GSM/GPRS/3G and 4G LTE</p> <p> ■ PCM-24S34G ■ PCM-24S2WF ■ PCM-24S33G </p>	 <p>NVRAM, USB, TPM, CFast, GigaLAN, PoE, VGA/DVI, DP, HDMI, Audio, PCIe adapter card</p> <p> ■ PCM-24R2PE ■ PCM-24R1TP ■ PCM-24U2U3 ■ PCM-23C1CF </p>

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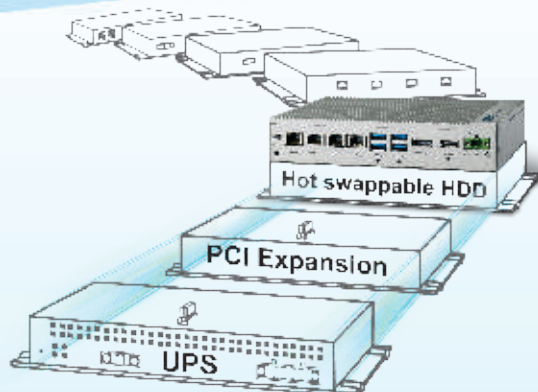


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Display	1 x HDMI, supports 1920 x 1080 @ 60Hz	1xDP supports 2560 x 1440@30Hz 1 x HDMI,supports 1920 x 1080@60Hz	1xHDMI, supports 1920x1080@60Hz 1xDP, supports 3840x2160@30Hz
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Storage	On board 32G eMMC(Optional mSATA)	1x mSATA/mPCIe, 1x SATA	1x mSATA/mPCIe, 2x SATA
Expansion	1 x Full-Size mPCIe Slot, PCIe 2.0	1 x mPCIe/mSATA, 2 x Full-size mPCIe slot	1 x mPCIe/mSATA Up to 4 mPCIe with 2nd layer
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Storage	1 x half-size mSATA (Additional SATA by optional)	1x mSATA, 1x SATA (Optional)	UNO-2483G: 2 x SATA, 1 x mSATA UNO-2473G: 1x SATA, 1 x mSATA
Ordering Information	UNO-2272G-J2AE	UNO-2362G-T2AE	UNO-2483G-434AE UNO-2483G-474AE UNO-2473G-E3AE UNO-2473G-J3AE

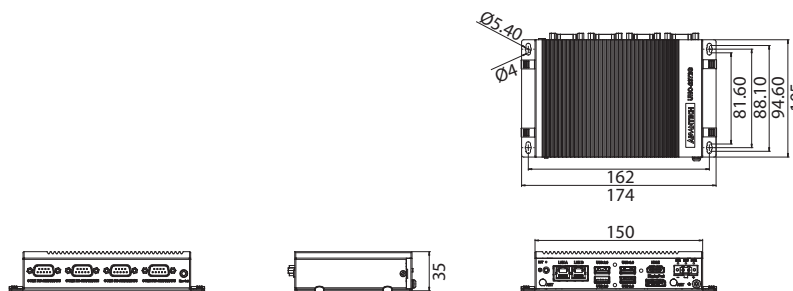
Advantech iDoor Module

Industrial Fieldbus	Wireless Communication	Industrial I/O & Peripheral
 <p>CANopen, PROFIBUS, PROFINET, EtherCAT, EtherNet/IP, POWERLINK, Sercos III</p> <p> ■ PCM-26D2CA ■ PCM-26R2EC ■ PCM-26R2PN ■ PCM-26R2S3 </p>	 <p>WiFi/Bluetooth, Zigbee, RFID/NFC, GSM/GPRS/3G and 4G LTE</p> <p> ■ PCM-24S34G ■ PCM-24S2WF ■ PCM-24S33G </p>	 <p>NVRAM, USB, TPM, CFast, GigaLAN, PoE, VGA/DVI, DP, HDMI, Audio, PCIe adapter card</p> <p> ■ PCM-24R2PE ■ PCM-24R1TP ■ PCM-24U2U3 ■ PCM-23C1CF </p>

UNO-2372G

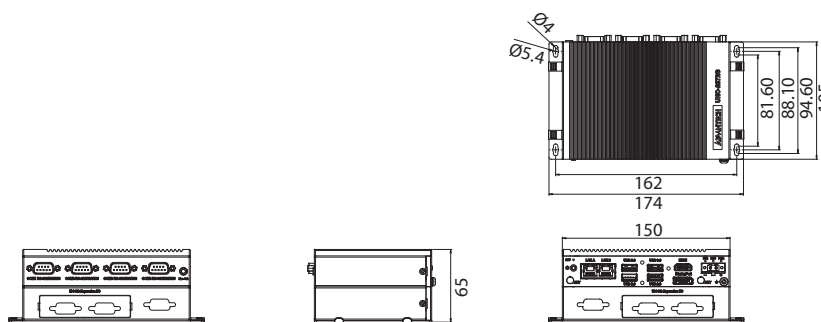
Dimensions

Single Stack



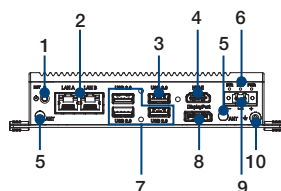
Unit: mm

Dual Stack



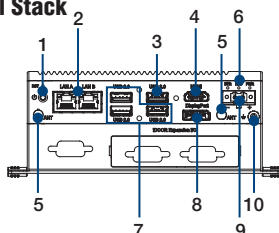
Front I/O View

Single Stack



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

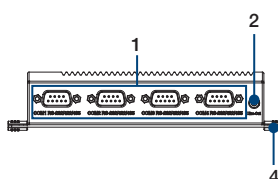
Dual Stack



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

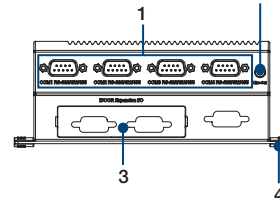
Rear I/O View

Single Stack



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

Dual Stack



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
- UNO-2372G-VEGA330 UNO-2372G 1st stack bottom plate for VEGA-330

Embedded OS

UNO-2372G-E0xxAE

- 20703WE7PS0002 WS7P X64 MUI V4.18 B007 image
- 20703WX6ES0003 WIN10ENT 2016LTSC v6.02B016 image
- 20703WX9ES0005 WIN10 2019 LTSC v6.04 B014 image

UNO-2372G-J0xxAE

- 20703WX6ES0003 WIN10LTSC v6.02 B016 image
- 20703WC70S0034 WEC7 MUI V4.02 B116 image
- 20703WE7PS0019 WS7P x64 MUI V4.19 B009 image
- 20703WX9ES0005 WIN10 2019 LTSC v6.04 B014 image

Extended Module

UNO-2372G-EKBE

2nd 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-2271G

Intel® Atom™ Pocket-Size
Smart Factory Edge Gateway with
2 x GbE, 1 x mPCIe, HDMI, eMMC

NEW



Features

- Intel® Atom™ E3815/E3825 processor with 4GB DDR3L onboard memory
- 2 x GbE, 1 x USB 3.0, 1 x HDMI, option 2 x RS-232/422/485 or 3 x USB2.0
- Compact fanless design
- Rubber stopper design with internal reserved screws for 2nd layer assembly
- Diverse system I/O and isolated digital I/O by iDoor technology
- Supports Fieldbus protocol by iDoor technology
- Supports 30+ iDoor combination with four main categories of smart factory applications
- 32GB eMMC storage onboard

Introduction

Advantech's new generation UNO-2000 series of embedded automation computers are highly ruggedized, fanless, and modular designs. New UNO-2000 series includes 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). The modular design of UNO-2271G features optimized I/O and offers three different configurations. It also supports Advantech's iDoor technology via a second expansion stack. UNO-2000 series provide flexible and time-to-market support for a variety of applications.

Specifications

General

- Certification** CE, FCC, UL, CCC, BSMI
- Dimensions (W x D x H)** 100 x 70 x 30 mm (3.9" x 2.8" x 1.2"), UNO-2271G-E21BE/E021AE
100 x 70 x 60 mm (3.9" x 2.8" x 2.6"), UNO-2271G-E22BE/E23BE/E022AE/E023AE
- Form Factor** Pocket Size, same dimension as standard 2.5" SSD/HDD
- Enclosure** Aluminum Housing
- Mounting** Stand, Wall, VESA (Optional), DIN-rail (Optional), Pole (Optional)
- Weight (Net)** 0.5 kg (1.1lbs) for UNO-2271G-E21BE/E021AE
0.6 kg (1.2lbs) for UNO-2271G-E22BE/ E022AE and E23BE/ E023BE
- Power Requirement** 10 ~ 30V_{DC}
- Power Consumption** 12W (Typical), 24W (Max)
- OS Support** For mSATA storage: Windows7, Windows10 LTSB, Advantech Linux
For eMMC storage: Advantech embedded customized Windows7 64bits, Windows 10 LTSB, Advantech Linux

System Hardware

- BIOS** AMI EFI64 Mbit
- Watchdog Timer** Programmable 255 levels timer interval, from 1 to 255 sec
- Processor** Intel Atom E3815 Single Core 1.46GHz
Intel Atom E3825 Dual Core 1.33Ghz
- System Chip** Intel Atom SoC integrated
- Memory** Onboard 4GB DDR3L 1066 MHz
- Graphics Engine** Intel® HD Graphics
- Ethernet** Realtek RTL8111E GbE, 802.10av
- LED Indicators** LEDs for Power, HDD, LAN (Active, Status)
- Storage** Onboard 32GB eMMC (Option mSATA shared with mPCIe slot)
- Expansion** 1 x Full-size mPCIe slot

I/O Interfaces

- Serial Ports** 2 x RS 232/422/485 for UNO-2271G-E23BE/ E023AE
- LAN Ports** 2 x RJ45, 10/100/1000 Mbps IEEE 802.3u

USB Ports

1000BASE-T Fast Ethernet
1 x USB 3.0 for UNO-2271G-E21BE/E021AE
3 x USB 2.0 and 1 x USB 3.0 for UNO-2271G-E22BE/ E022AE
1 x USB 3.0 for UNO-2271G-E23BE/E023AE
1 x HDMI, supports 1920 x 1080 @ 60Hz
1 x 2 Pins, Terminal Block

Displays

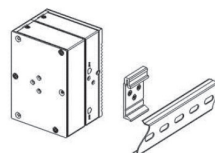
Power Connector

Environment

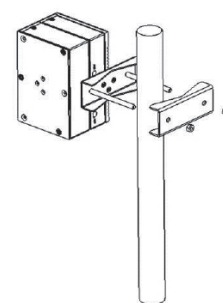
- Operating Temperature** 0 ~ 50°C (32 ~ 122°F) @ 5 ~ 85% RH with 0.7 m/s airflow
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11 ms
- Vibration Protection** Operating, IEC 60068-2-64, 2 Grms, random, 5 ~ 500 Hz, 1hr/axis (mSATA)
- Ingress Protection** IP30

Installation Scenario

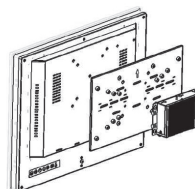
DIN-rail Mount Illustration



Pole Mount Illustration



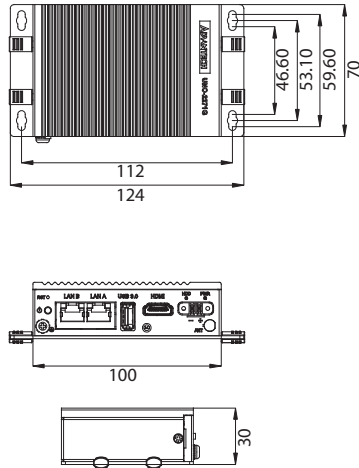
VESA Mount Illustration



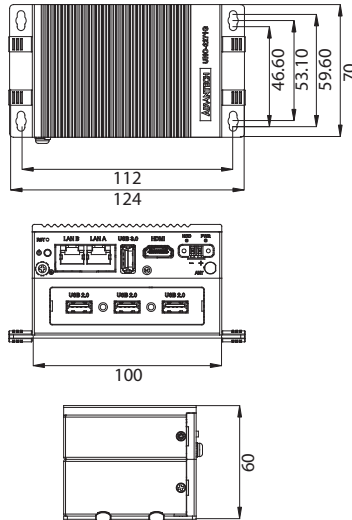
Dimensions

Unit: mm

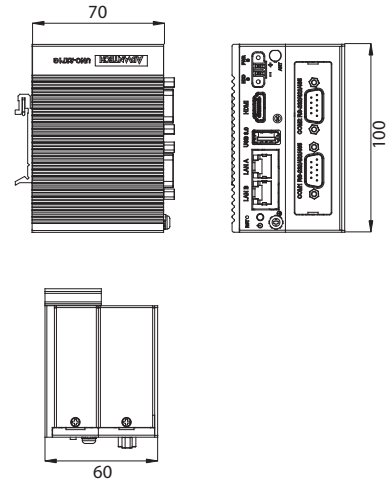
UNO-2271G-E21BE/E021AE



UNO-2271G-E22BE/E022AE

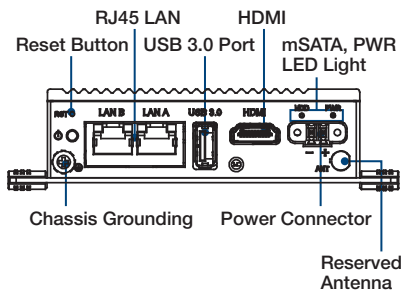


UNO-2271G-E23BE/E023AE

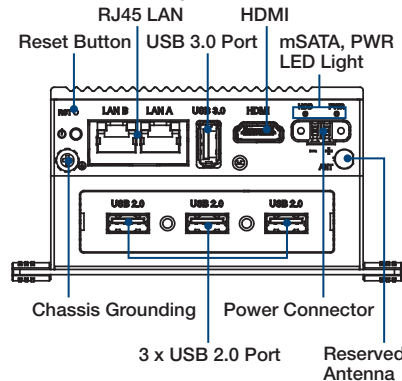


Front I/O View

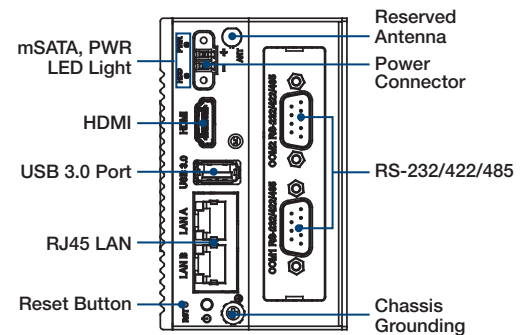
UNO-2271G-E21BE/E021AE



UNO-2271G-E22BE/E022AE



UNO-2271G-E23BE/E023AE



Ordering Information

	CPU	Ordering Part Number	USB2.0	RS-232/422/485	LAN	USB3.0	HDMI	mPCIe
Single Stack	Single Core E3815	UNO-2271G-E21BE	x	x	2	1	1	1
Double Stack		UNO-2271G-E22BE	3	x				
		UNO-2271G-E23BE		2				
Single Stack	Dual Core E3825	UNO-2271G-E021AE	x	x	2	1	1	1
Double Stack		UNO-2271G-E022AE	3	x				
		UNO-2271G-E023AE	x	2				

iDoor Modules

- PCM-23U1DG-BE Internal locked USB Slot for USB Dongle
- PCM-24R2GL-AE 2-Port Gigabit Ethernet, mPCIe, RJ45
- PCM-26D2CA-AE 2-Ports Isolated CANBus mPCIe, CANOpen, DB9
- PCM-2300MR-AE MR4A16B, MRAM, 2 MByte, mPCIe
- PCM-27D24DI-AE 24-Channel Isolated Digital I/O w/ counter mPCIe, DB37

Embedded O/S

- 20703LEB1S0074 AdvLinux V2.0.4 (Ubuntu 18.04) image
- 20703WE7PS0018 WS7P X64 MUI V4.19 B006 image
- 20703WX9ES0011 WIN10 IoT Enterprise LTSC v6.04 B041 image

Optional Accessories

Adapters & Power cords

- PWR-247-DE 60W AC to DC UNO series power adapter
- 1702002600 Power Cable US Plug 1.8 M
- 1702002605 Power Cable EU Plug 1.8 M
- 1702031801 Power Cable UK Plug 1.8 M
- 1700000596 Power Cable China/Australia Plug 1.8 M

Mounting Kits

- UNO-2271G-DMKAE UNO-2271G DIN RAIL Mount Kit
- UNO-2000G-VMKAE UNO-2000 VESA Mount Kit
- UNO-2000G-PMKAE UNO-2000 Pole Mount Kit

Others

- UNO-2000-LKAE Cable lockable kit 10 units/ per pack

Wi-Fi module & antenna

- EWM-W157H01E Wifi 802.11 a/b/g/n/ac, w/ Bluetooth 4.0 (Half-size to full size mPCIe bracket)
- 9656EWMG00E Coaxial cable for antenna
- 1750006043 Antenna L=10.9 cm 50 Ohm
- 1750008717-01

LTE module & antenna

- 968AD00589 Quectel EG25G LTE Module Cat. 4, Mini-PCIe with Sim Holder
- 1750007990-01 Antenna 4G/LTE full band L=11 cm 50 Ohm
- 1750006264 Antenna SMA(F)/MHF 15cm cable

Extended Module

UNO-2271G-EKBE

2nd stack expansion module for support 1 x iDOOR on UNO-2271G-E21BE/ UNO-2271G-E021AE



Specifications

General	
Ports	1 x iDOOR (Chassis only)
Dimensions	100 x 70 x 30 mm
Weight	100g
Environment	
Operating Temperature	0 ~ 50 °C

Ordering Information

P/N	Description
UNO-2271G-EKBE	UNO-2271G 2nd stack extension kit for iDoor

UNO-2271G-U3BE

2nd stack expansion module for support 3 USB2.0 ports on UNO-2271G-E21BE/ UNO-2271G-E021AE



Specifications

General	
Ports	3 x USB2.0 ports
Dimensions	100 x 70 x 30 mm
Weight	120g
Environment	
Operating Temperature	0 ~ 50 °C

Ordering Information

P/N	Description
UNO-2271G-U3BE	UNO-2271G 2nd stack with 3 USB2.0 ports

UNO-2271G-R2BE

2nd stack expansion module for support 2 RS-232/422/485 ports on UNO-2271G-E21BE/ UNO-2271G-E021AE



Specifications

General	
Ports	2 x RS-232/422/485 ports
Dimensions	100 x 70 x 30 mm
Weight	120g
Environment	
Operating Temperature	0 ~ 50 °C

Ordering Information

P/N	Description
UNO-2271G-R2BE	UNO-2271G 2nd stack with 2 COM ports

UNO-2484G

Intel® Core™ i7/i5/i3/Celeron
Regular-Size Modular Box Platform
(MBP) with 4 x GbE, 1 x mPCIe, HDMI, DP

NEW



Features

- Intel® Core™ i7/i5/i3/Celeron 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/GPRS/GPRS/Wi-Fi communication by iDoor technology
- Supports 30+ iDOOR combination with four main categories

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
Celeron 3965U, 2.0 GHz
- Memory** i7/i5/i3 model: Built-in 8GB DDR4 2133 MHz (support up to 16G)
Celeron model: Built-in 4GB DDR4 3200 MHz (support up to 16G)
- 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

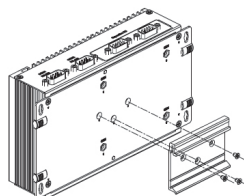
- Serial Ports** 4 x RS 232/422/485
- LAN Ports** 4 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet
- USB Ports** 4 x USB3.0
- Displays** 1 x HDMI, 1 x DP
HDMI 1.4 (4096x2304@24Hz)
HDMI 1.4 (1920x1080@60Hz)
DP 1.2 (4096x2304@60Hz)
DP 1.2 (1920x1080@60Hz)
Line-out
- Audio** 1 x 2 Pins, Terminal Block
- Power Connector**

Environment

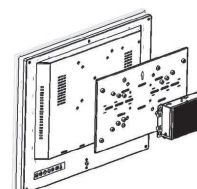
- Operating Temperature** -20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7 m/s airflow
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11 ms
- Vibration Protection** Operating, IEC 60068-2-64, 3 Grms, random, 5 ~ 500 Hz, 1hr/axis (mSATA)
- Ingress Protection** IP40

Installation Scenario

DIN-rail Mount Illustration



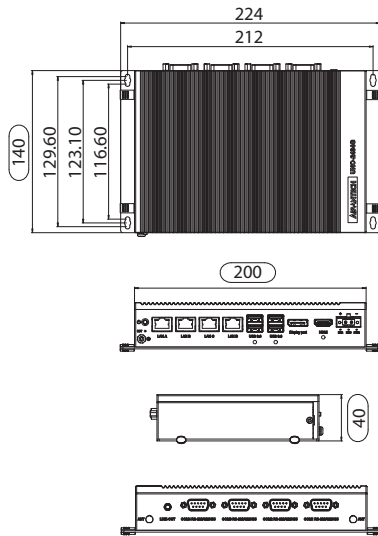
VESA Mount Illustration



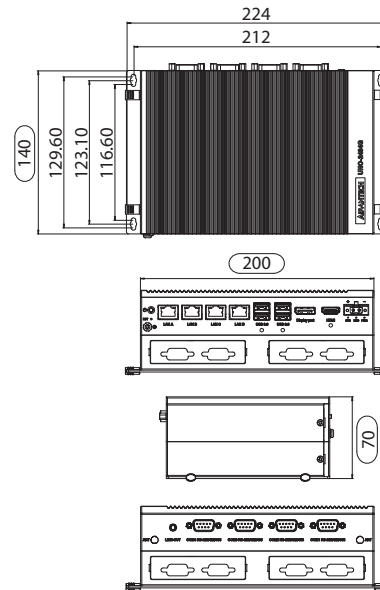
Dimensions

Unit: mm

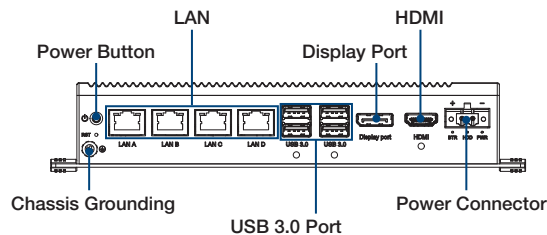
UNO-2484G Single stack version



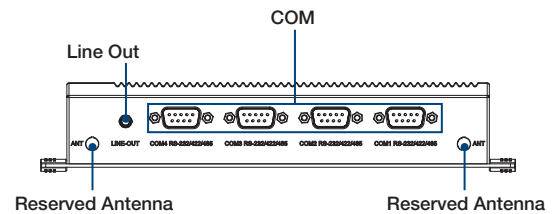
UNO-2484G double stack version



Front I/O View



Rear I/O View



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-7531AE		i5-7300U					
	UNO-2484G-7331AE		i3-7100U					
	UNO-2484G-7C21AE		Celeron 3965U					
	UNO-2484G-6731AE	6 Gen.	i7-6600U	4	v	4	4	4
Double Stack	UNO-2484G-6531AE		i5-6300U					
	UNO-2484G-6331AE		i3-6100U					
	UNO-2484G-7732AE	7 Gen.	i7-7600U	4	v	4	4	4
	UNO-2484G-7532AE		i5-7300U					
	UNO-2484G-7332AE		i3-7100U					
	UNO-2484G-6732AE	6 Gen.	i7-6600U	4	v	4	4	4
	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-A150W24T2-3 Power Adapter 150W
- 96PSA-A120W24T2-3 Power Adapter 120W
- 1702002600 Power Cable US Plug 1.8 M (Industrial Grade)
- UNO-REPWR-AE Remote power & reset kit

- 1702002605
- 1702031801
- 1700000596
- UNO-2000G-VMKAE
- UNO-2000G-DMKAE
- UNO-2000-LKAE
- UNO-2484G-VEGA330

Power Cable EU Plug 1.8 M (Industrial Grade)
Power Cable UK Plug 1.8 M (Industrial Grade)
Power Cable China/Australia Plug 1.8 M (Industrial Grade)
UNO-2000 VESA Mount Kit
UNO-2484G DIN RAIL Kit
Cable lockable kit 10 units/per pack
UNO-2484G 1st stack bottom plate for VEGA-330

Operating System

- UNO-2484G-6 series:
- 20703WE7PS0036
- 20703WX9HS0001
- 20703WX9VS0001

WS7P X64 MUI V4.18 B033 Image
WIN10 LTSC V6.04 for i7 version
WIN10 LTSC V6.04 for i5/ i3 version

- UNO-2484G-7 series:
- 20703WX9HS0000
- 20703WX9VS0000

WIN10 LTSC V6.04 for i7 version
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

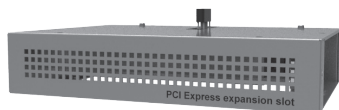
Ordering Information

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

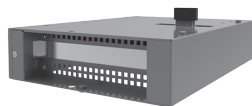
UNO-2484G-PCIEAE

2nd stack expansion module for support 1 PCIe4 card

Front view



Side View



Specifications

General	
Ports	1 x PCIe4 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 PCIe4 expansion module

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



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)** Single stack: 150 x 105 x 35mm
Double Stack: 150 x 105 x 65mm
- 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 UEF164 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
Built-in 4GB DDR3L 1333MHz (Up to 8GB)
- Memory** Intel HD Graphics
- Graphics Engine** Intel® i210-IT GbE, 802.1Qav, 802.1AS, 802.3az
- Ethernet** LEDs for Power, RTC battery, LAN (Active, Status) and HDD
- LED Indicators**
- 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

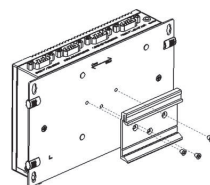
- Serial Ports** 4 x RS232/422/485, DB9, 50 ~ 115.2kbps
- LAN Ports** 2 x RJ45, 10/100/1000 Mbps IEEE 802.3u
1000BASE-T Fast Ethernet
- USB Ports** 1 x USB 3.0, 3 x USB 2.0 Compliant
- Displays** 1 x HDMI 1.4 (1920x1080@60Hz)
1 x DP 1.1 (2560x1600@60Hz)
- Power Connector** 1 x 2 Pins, Terminal Block

Environment

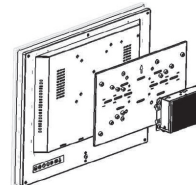
- Operating Temperature** -20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7m/s airflow
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Relative Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- Shock Protection** Operating, IEC 60068-2-27, 50G, half sine, 11ms
- Vibration Protection** Operating, IEC 60068-2-64, 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)