

## Selection Guide



Model Name	UNO-1251G	UNO-1252G	UNO-1372G	UNO-1483G	UNO-3283G	UNO-3382G/3384G	UNO-3483G
CPU	ARM Coretex A8, 600MHz	Intel® Quark 400 MHz	Intel® Atom™ E3845 1.91GHz	Intel® Core™ i3-4010U 1.7GHz	Intel® Core™ i7-6822EQ 2.0GHz	Intel® Core™ i7-4650U 1.7Hz	Intel® Core™ i7-3612QE
Onboard RAM	256MB DDR2 SDRAM	256MB DDR3 SDRAM	4GB DDR3L SO-DIMM	8GB DDR3L SO-DIMM	8GB DDR4 SO-DIMM	8GB DDR3L SO-DIMM	8GB DDR3L SO-DIMM
Battery-Backup SRAM	-	-	-	-	-	On board MRAM 512K	-
Display	-	-	HDMI, VGA	DP, VGA	DVI-I, HDMI	HDMI, DP	VGA, HDMI
Audio	-	-	Line-out	Line-out	Mic in, Line out (pin header)	N/A (built-in Line-in/out/Mic, I/O through iDoor)	Mic in, Line out (pin header)
Serial Ports	1 x RS-232, 1x RS-422/485, 1 x RS-485	1 x RS-232(console port), 1 x RS-485	1 x RS-232, 1 x RS-422/485	1 x RS-232, 2 x RS-422/485	2 x RS-232/422/485, 2 x RS-232 (pin header)	1 x RS-232/422/485	1 x RS-232, 1 x RS-422/485 (pin header)
Ethernet Ports	2 x 10/100 Mbps Base-T	2 x 10/100 Mbps Base-T	3 x 10/100/1000 Mbps Base-T	4 x 10/100/1000 Mbps Base-T	2 x 10/100/1000 Mbps Base-T	2 x 10/100/1000 Mbps Base-T	2 x 10/100/1000 Mbps Base-T
USB Ports	1 x USB 2.0	1 x USB 2.0 1 x USB 2.0 client	2 x USB 2.0 1 x USB 3.0	2 x USB 2.0 2 x USB 3.0	6 x USB3.0	2 x USB 2.0 2 x USB 3.0	2 x USB 2.0 2 x USB 3.0
PCIe/PCI Expansion	1 x Mini PCIe	2 x Mini PCIe	2 x Mini PCIe	1 x PCIe x 1 2 x Mini PCIe	1 x PCIe x 16, 1 x PCI 2 x Mini PCIe	UNO-3382G: 2 x Mini PCIe UNO-3384G: 2 x Mini PCIe, 1 x PCI + 1 x PCIe x 4	1 x PCIe x 4, 3 x Mini PCIe
Digital I/O	-	4-ch DI, 4-ch DO	4-ch DI, 4-ch DO	4-ch DI, 4-ch DO	-	-	-
Micro SD	1 x 1G MicroSD card 1 x MicroSD card slot	1 x 1G MicroSD card	-	-	-	-	-
CFast Slots	-	-	-	-	CFast x 1	CFast x 1	-
2.5" HDD Expansion	-	-	1 x SATA HDD	1 x SATA HDD	2 x SATA HDD, support RAID 0/1	2 x SATA HDD, support RAID 0/1	2 x SATA HDD, support RAID 0/1
Operating Systems	Windows Embedded Compact7(WEC7), Embedded Linux	Yocto Linux	Win7/8/10, WES7, Win10 Ent. LTSB, AdvLinux	Win7/8/10, WES7, Win10 Ent. LTSB, AdvLinux	Win7/8/10, WES7, Win10 Ent. LTSB, AdvLinux	Win7/8/10, WES7, Win10 Ent. LTSB, AdvLinux	Win7/8, WES7, AdvLinux
Mounting	DIN-rail Mount	DIN-rail Mount	DIN-rail/Wall Mount	DIN-rail/Wall Mount	Wall, Stand, Enclosure Mount	Book Mount	Enclosure Mount
Power Input Range	10-36Vdc	9-36Vdc	10-36Vdc	12/24Vdc ± 20%	10-36Vdc	24Vdc ± 20%	12/24Vdc ± 20%
Operating Temperature	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	0 ~ 55°C (32 ~ 131°F)	-20 ~ 60°C (-4 ~ 140°F)
Power Consumption Typical	5.3W	10W	24W	41W	30W	45W	50W
Dimensions (W x D x H)	50 x 90 x 100 mm (1.97" x 3.54" x 3.94")	63 x 105 x 100 mm (2.48" x 4.13" x 3.94")	85 x 139 x 152 mm (3.3" x 5.5" x 6.0")	106 x 139 x 198 mm (4.2" x 5.8" x 7.8")	142 x 238 x 117 mm (5.6" x 9.3" x 6.9")	UNO-3382G: 65.2 x 254 x 207 mm (2.57" x 10" x 8.15") UNO-3384G: 103.2 x 254 x 207 mm (4.06" x 10" x 8.15")	305 x 82 x 225 mm (12" x 3.2" x 8.9")

## Advantech iDoor Module

Memory/Storage/External I/O   Communication   FieldBus   Digital / Analog I/O

<b>PCM-2300MR</b> MR4A16B, MRAM, 2MByte	<b>PCM-2300TP</b> TPM Compliant with TCG 1.2	<b>PCM-23C1CF</b> CFast, Ejection Type I, CFast x 1	<b>PCM-23U1DG</b> Locked USB Slot for USB Dongle, USB x 1
<b>PCM-24D2R2/24D2R4</b> OXPcie-952 UART, Isolated RS-232, 422/485, DB9 x 2	<b>PCM-24D4R2/24D4R4</b> OXPcie-954 UART, Non-Isolated RS-232, 422/485, DB37 x 1	<b>PCM-24R2PE</b> Intel i350, GbE, PoE IEEE 802.3af, PD, RJ45 x 2	<b>PCM-24R2GL</b> Intel i350 PCIe, GbE, LAN Mini Card, RJ45 x 2
<b>PCM-24R1TP</b> Intel 82574L, GbE, IEEE 1588 PTP, RJ45 x 1	<b>PCM-24U2U3</b> USB 3.0 Mini Card, USB x 2	<b>PCM-24S2WF</b> 802.11 a/b/g/n 2T2R w/ BT4.0, Atheros AR9462, GPS, SMA x 2	<b>PCM-24S23G</b> 6-band HSPA Cellular Module, SIM Holder+GPS, SMA x 2
<b>PCM-24S24G</b> LTE Bands, UMTS/HSPA Bands, GPS/GPRS Bands, SMA x 2	<b>PCM-26D2CA</b> SJA1000 CANBus, CANOpen, DB9 x 2	<b>PCM-26D1PB</b> Hilscher netX100 FieldBus, ProfiBus, DB9 x 1	<b>PCM-27D2DI</b> Digital I/O, 16 DI / 8 DO, Isolation, DB37 x 1

## Advantech Innovative Design Concept- Simple, Flexible, Reliable

As a leading provider of Industrial PC, Advantech devoted to innovation product/service development. To be the pioneer in intelligent automation technology, the i-concept represents the intelligent, integrated and intuitive design which covers the innovation of service model, user behavior and cutting-edge technology that opens a new era of industrial automation.



An integrated intelligent key brings simplified intuitive operation for configuring your automation panel. With a flexible software design, customized functions are easier to carry out.



A standardized modular Interface which offers flexible expansion to increase the number of applications and expand system functions through the variety of standardized modular I/Os.



A Reliable Long Distance Transmission Technology which transfers video signals and touch control over a single Ethernet cable which overcomes interference in harsh environments not only for data connections, but also for a cost effective multiple display solution.

## Regional Service & Customization Centers

<b>China</b> Kunshan 86-512-5777-5666	<b>Taiwan</b> Taipei 886-2-2792-7818	<b>Netherlands</b> Eindhoven 31-40-267-7000	<b>Poland</b> Warsaw 48-22-33-23-740 / 41	<b>USA/ Canada</b> Milpitas, CA 1-408-519-3898
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## Worldwide Offices

### Greater China

<b>China</b>	Toll Free	800-810-0345
	Beijing	86-10-6298-4346
	Shanghai	86-21-3632-1616
	Shenzhen	86-755-8212-4222
	Chengdu	86-28-8545-0198
	Hong Kong	852-2720-5118

### Taiwan

Toll Free	0800-777-111
Neihu	886-2-2792-7818
Xindian	886-2-2218-4567
Taichung	886-4-2378-6250
Kaohsiung	886-7-229-3600

### Asia Pacific

#### Japan

Toll Free	0800-500-1055
Tokyo	81-3-6802-1021
Osaka	81-6-6267-1887

#### Korea

Toll Free	080-363-9494
Seoul	82-2-3663-9494

#### Singapore

Singapore	65-6442-1000
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#### Malaysia

Toll Free	1800-88-1809
Kuala Lumpur	60-3-7725-4188
Penang	60-4-537-9188

#### Indonesia

Jakarta	62-21-769-0525
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#### Thailand

Bangkok	66-2-248-3140
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#### India

Toll Free	1-800-425-5070
Pune	91-20-39482075
Bangalore	91-80-2545-0206

#### Australia

Toll Free	1300-308-531
Melbourne	61-3-9797-0100
Sydney	61-2-9476-9300

### Europe

Toll Free	00800-2426-8080
<b>Germany</b>	
Munich	49-89-12599-0
Hilden / D' dorf	49-2103-97-885-0

#### France

Paris	33-1-4119-4666
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#### Italy

Milano	39-02-9544-961
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#### Benelux & Nordics

Breda	31-76-5233-100
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#### UK

Reading	44-0118-929-4540
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#### Poland

Warsaw	48-22-33-23-740 / 41
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#### Russia

Toll Free	8-800-550-01-50
Moscow	7-495-232-1692

More Information



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<http://www.advantech.com>

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# Advantech Control Cabinet PC

Designed for Machine Construction and Plant Engineering Applications



- Introduction
- Product Features
- Intelligent Software
- Selection Guide



# ADVANTECH

Enabling an Intelligent Planet

[www.advantech.com](http://www.advantech.com)

# Advantech Control Cabinet PC

## Wide Range of Product Form-factors for Different Mounting Scenarios of Cabinet Applications

Advantech's UNO-1000/3000 series of Embedded Control Cabinet PCs are fanless with high performance, multiple extensions, and ruggedized chassis. With iDoor Technology which supports automation feature extensions such as Fieldbus communication, Wi-Fi/3G, Digital I/O and POE. Versatile Mounting space DIN-Rail Mount, Wall Mount, Enclosure Mount and Panel mount with easy installation indicated market segments. In terms of the type of mounting, with their Control Cabinet PC, they are suitable for IoT gateway, motion and vision applications.

UNO-3200 Series



Remote Monitoring



Remote On/Off, KVM



System Configuration



Real-time Response



System Recovery



System Protection

UNO-1000 Series



UNO-3300 Series



UNO-3400 Series



## Intelligent Software

Advantech WebAccess is a 100% web-based SCADA (Supervisory Control And Data Acquisition) software and it acts as an IIoT Platform providing open interfaces for partners to develop IoT applications for different vertical markets. In addition to traditional SCADA functions, WebAccess has an intelligent dashboard, to provide users with cross-platform, cross-browser data analysis and user interface using HTML5 technology. As well as the built-in widgets, WebAccess also provides Widget Builder to allow customers to build their own.

### WebAccess/SCADA

WebAccess/HMI Designer is powerful yet intuitive software to create total solutions for HMI (Human Machine Interface) products. WebAccess/HMI Designer is proven in many application fields and is an easily integrated development tool. WebAccess/HMI Runtime, a part of WebAccess/HMI, guarantees reliability and performance of open platform because of the minimum system overhead, high communication data rates, sub-second screen switching, and 24/7 operation.

### WebAccess/HMI

## Remote Device Management

WISE-PaaS/RMM is an innovative remote management and cloud-based software preloaded in all Advantech embedded solutions, allowing the efficient and centralized remote monitoring and management of embedded devices in real-time, device health status, system configuration, system protection, and recovery & backup. WISE-PaaS/RMM targets the needs of creating a more intelligent and interconnected embedded computing solution.

### WISE-PaaS/RMM

## Features & Benefits

### Dual iDoor Expansion



Advantech's iDoor technology provides simple, flexible, and reliable expansion in high density systems using versatile color identification and multiple functions.

### Dual Power Input



Dual power input with wide range operating voltage is a fail-safe mechanism to reduce working unit maintaining down time by alternative power input source. And remote power on assists working units go back online from outside of the cabinet.

### Built-in Digital I/O



Built-in DI/DO for simple I/O control, status detection, lighting control and event triggering in order to save extra cost and devices.

### Multiple Expansion



UNO supports latest range of expansion interfaces including PCIe for high density I/O, iDoor for fieldbus modules, PCI for motion cards with easy installation captive thumb screws.

### Dual Digital Display



Flexible display options provide resolutions of up to 4K/2K and provide excellent image quality.

### Enclosure Mount (UNO-3400)



Compact outside heatsink mounts through a corresponding cut-out in the cabinet or enclosure panel which integrated seals represent high performance as IP67.



### IEC-61010 certified

UNO-3382G/ 3384G are evaluated to the UL/ IEC-61010 standard and support book mounting methods which makes them suitable for installing in harsh industrial environments.

## Easy Maintenance

### Captive Thumb Screw



Operators can work efficiently with captive thumb screws as a superior tool to strengthen swapping HDD, CFast & PCI/PClaid for maintaining storage and expansion devices.

### Hot-swap RTC Battery



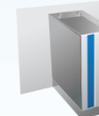
Removable RTC battery saves time and cost by avoiding disassembling the working unit and shutting down the whole operation.

### Hot-swappable Storage



Hot-swap HDD/SSD let operators deploy software data or collect control data easily when maintaining working units without interruptions.

### Book Mount



The UNO-3300 offers an open and universal automation solution, saves space and allows quick installation in a control cabinet.

### Enclosure Mount



The UNO-3400 series are designed for easier and quick installation in control cabinets. As UNO-3400 which has the Placing-and-Click snap connector which has further considered users' activity and then simplifies the installation procedures.

## Versatile Mounting with Easy Installation

### DIN-Rail Mount



UNO-1000 series can be painlessly installed on the rail with the sophisticated din-rail kit at the rear and R-angle design at the front.

### Wall Mount



Easy pull-out operation is extremely convenient that advantage is suitable for all but the heavier installations.