
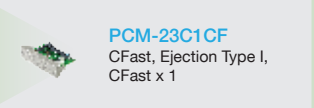

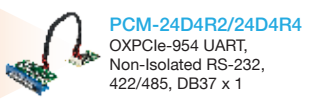


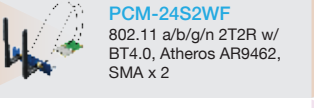
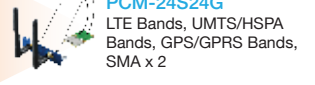
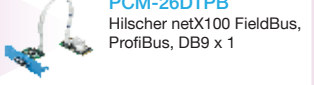


Selection Guide

Model Name	UNO-1252G	UNO-1372G	UNO-1483G	UNO-3283G	UNO-3382G/3384G	UNO-3483G
CPU	Intel® Quark 400 MHz	Intel® Atom™ E3845 1.91GHz	Intel® 4th Gen. Core™ i3-4010U 1.7GHz	Intel® Core™ i CPU	Intel® Core™ i7-4650U 1.7Hz	Intel® Core™ i7-3612QE
Onboard RAM	256MB DDR3 SDRAM	4GB DDR3L SDRAM	8GB DDR3L SDRAM	8GB DDR3L SDRAM	8GB DDR3L SDRAM	8GB SO-DIMM DDR3/DDR3L
Battery-Backup SRAM	-	-	-	-	On board MRAM 512K	-
Display	-	HDMI, VGA	DP, VGA	DVI, HDMI	DVI, DP (disabled when attached to display module)	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, 1 x RS-485	1 x RS-232, 2 x RS-422/485	1 x RS-232, 2 x RS-422/485	2 x RS-232/422/485 with DB9 connection	RS-232/422/485 x 1 (isolation)	1 x RS-232, 1 x RS-232/422/485 with DB9 connection (pin header)
Ethernet Ports	2 x 10/100 Base-T	3 x 10/100/1000 Base-T	4 x 10/100/1000 Base-T	2 x 10/100/1000 Base-T RJ-45 (support IEEE1588)	2 x 10/100/1000 Base-T RJ-45 (support IEEE1588)	2 x 10/100/1000 Base-T RJ-45 (support IEEE1588)
USB Ports	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	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 2 x USB 3.0	2 x USB 2.0 2 x USB 3.0
PCIe/PCI Expansion	2 x Mini PCIe	2 x Mini PCIe	1 x PCIe x 1 2 x Mini PCIe	1 x PCIe x 16, 2 x PCI	UNO-3382G: 2 x Mini PCIe UNO-3384G: 2 x Mini PCIe, 2 x PCI/PCIe (2 x PCI, 1 x PCIe x1+1 x PCIe x 4, 1 x PCI + 1 x PCIe x 4)	1 x PClex 4, 3 x Mini PCIe (2 x full, 1 x half)
Digital I/O	4-ch DI, 4-ch DO	4-ch DI, 4-ch DO	4-ch DI, 4-ch DO	-	-	-
CFast Slots	-	-	-	CFast x 1	CFast x 1	-
2.5" HDD Expansion	-	1 x SATA 6Gb/s	1 x SATA 6Gb/s	Two built-in 2.5" SATA HDD brackets with support for RAID 0/1	Two built-in 2.5" SATA HDD brackets with support for RAID 0/1	Two built-in 2.5" SATA HDD brackets with support for RAID 0/1
Operating Systems	Linux	Windows 7/8, WES7/WES8, Linux	Windows 7/8, WES7/WES8, Linux	WinXP, Win7/8, WES7/8, Win8, WES, Linux	Linux, Win 7, WES 7, Win 8, Win XP, Win7/8, WES7/8, WES, Linux	WinXP, Win7/8, WES7/8, Win8, WES, Linux
Mounting	DIN-rail Mount	DIN-rail/Wall Mount	DIN-rail/Wall Mount	Wall, Stand, Panel Mount	Book Mount	Enclosure Mount
Power Input Range	12/24Vdc ± 15%	12/24Vdc ± 20%	12/24Vdc ± 20%	12/24Vdc ± 20%	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)	-20 ~ 60°C (-4 ~ 140°F)
Power Consumption Typical	6W	24W	41W	50W	45W	50W
Power Requirement	12W, 24Vdc @ 0.5A	36W, 24Vdc @ 1.5A	60W, 24Vdc @ 2.5A	12V/24Vdc @ 5A	24Vdc @ 4.5A	12V/24Vdc @ 4A
Dimensions (W x D x H)	70 x 90 x 100 mm (2.76" x 3.54" 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")	305 x 238 x 225 mm (120.1" x 93.7" x 88.58")	UNO-3382G: 254 x 207 x 65.2 mm (100" x 81.5" x 25.7") UNO-3384G: 254 x 207 x 103.2 mm (100" x 81.5" x 40.6")	305 x 82 x 225 mm (120.1" x 32.3" x 88.6")

Advantech iDoor Module

 PCM-2300MR MR4A16B, MRAM, 2MByte	 PCM-2300TP CFast, Ejection Type I, TCG 1.2	 PCM-23C1CF Locked USB Slot for USB Dongle, USB x 1	 PCM-23U1DG Locked USB Slot for USB Dongle, USB x 1
 PCM-24D2R2/24D2R4 OXPcie-952 UART, Isolated RS-232, 422/485, DB9 x 2	 PCM-24D4R2/24D4R4 OXPcie-954 UART, Non-Isolated RS-232, 422/485, DB37 x 1	 PCM-24R2PE Intel i350, GbE, PoE IEEE 802.3af, PD, RJ45 x 2	 PCM-24R2GL Intel i350 PCIe, GbE, LAN Mini Card, RJ45 x 2
 PCM-24R1TP Intel 82574L, GbE, IEEE 1588 PTP, RJ45 x 1	 PCM-24U2U3 USB 3.0 Mini Card, USB x 2	 PCM-24S2WF 802.11 a/b/g/n 2T2R w/ BT4.0, Atheros AR9482, SMA x 2	 PCM-24S23G 6-band HSPA Cellular Module, SIM Holder+ GPS, SMA x 2
 PCM-24S24G LTE Bands, UMTS/HSPA Bands, GPS/GPRS Bands, SMA x 2	 PCM-26D2CA SJA1000 CANBus, CANOpen, DB9 x 2	 PCM-26D1PB Hilscher netX100 FieldBus, ProfiBus, DB9 x 1	 PCM-27D24DI 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.

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Penang	60-4-537-9188

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Thailand

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Bangalore	91-80-2545-0206

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Melbourne	61-3-9797-0100
Sydney	61-2-9476-9300

<http://www.advantech.com>

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Enabling an Intelligent Planet

Advantech Control Cabinet PC

Designed for Machine Construction and Plant Engineering applications



- Introduction
- Product Features
- Intelligent Software
- Selection Guide



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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 an embedded operating system (Windows CE, Windows XPE, Linux-Embedded). With iDoor Technology which supports automation feature extensions such as Fieldbus communication, Wi-Fi/3G, and Digital / Analog I/O. Versatile Mounting space DIN-Rail Mount, Wall Mount, Book 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. The design meets Class 1 Div. 2 & ATEX Certification for harsh environment applications.

UNO-3200 Series



Remote Monitoring



Remote On/Off, KVM



System Configuration



Real-time Response



System Recovery



System Protection

Intelligent Software

WebAccess

Advantech WebAccess is a 100% web browser-based software package for HMI and SCADA with private cloud software architecture. All the features found in conventional HMI and SCADA software including Animated Graphics Displays, Real-time Data, Control, Trends, Alarms and Logs, are available in a standard web browser. WebAccess is built around the latest internet technologies.



SUSIAccess

Remote Device Management

SUSIAccess

Remote Device Management

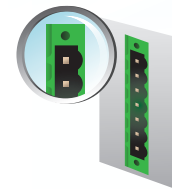
SUSIAccess is an innovative remote management and cloud-based software preloaded in all Advantech embedded solutions, allowing the efficient and centralized remote monitoring and management of embedded devices in real-time, device health status, system configuration, system protection, and recovery &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

Panel Express

PanelExpress is a Windows based HMI runtime software, it enables you to utilize the resources of a PC such as computation power, multimedia and bigger screen to realize a high-end sophisticated HMI.



Features & Benefits



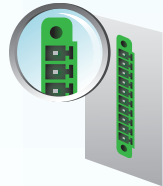
Dual Power Input

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.



UPS Battery Support (Optional)

External UPS supporting & full coverage includes DC w/ UPS or AC 110/220V PWR, both of power input have been considered the protection by Power Isolation.



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.



Detachable with Display (UNO-3300)

High value expression in easily detachable and removable, configure with display to be Panel PC or Panel module. The user can realize the benefit of an integral whole and artistic outlook.



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.



C1D2/ATEX Certification

Meets and exists in hardly environment and applicable to operation in safety as Oil & Gas industry.



Captive Thumb Screw

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



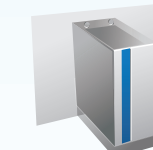
Hot-swap RTC Battery

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.



Panel 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.