

# Advantech Control Cabinet PC

Designed for Machine Construction and Plant Engineering Applications



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**ADVANTECH**

*Enabling an Intelligent Planet*

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

## 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 an standard web browser. WebAccess is built around the latest internet technologies.



### SUSIAccess Remote Device Management

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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.



## 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.

### 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.

UNO-3200 Series



UNO-1000 Series



UNO-3300 Series



UNO-3400 Series



Remote Monitoring



Remote On/Off, KVM



System Configuration



Real-time Response



System Recovery



System Protection

## Easy Maintenance

### Captive Thumb Screw

Operators can work efficiently with captive thumb screws as a superior tool to strengthen swapping HDD, CFast & PCI/PCland 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.



# 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, 1 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 PCIe 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/WE8S, Linux	Windows 7/8, WES7/WE8S, Linux	WinXP, Win7/8, WES7/8, Win8, WES, Linux	Linux, Win 7, WES 7, Win 8, Win Emb 8.1 Industry	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	12/24V <sub>DC</sub> ± 15%	12/24V <sub>DC</sub> ± 20%	12/24V <sub>DC</sub> ± 20%	12/24V <sub>DC</sub> ± 20%	24V <sub>DC</sub> ± 20%	12/24V <sub>DC</sub> ± 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, 24V <sub>DC</sub> @ 0.5A	36W, 24V <sub>DC</sub> @ 1.5A	60W, 24V <sub>DC</sub> @ 2.5A	12W/24V <sub>DC</sub> @ 5A	24V <sub>DC</sub> @ 4.5A	12W/24V <sub>DC</sub> @ 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

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

 <p><b>PCM-2300MR</b> MR4A16B, MRAM, 2MByte</p>	 <p><b>PCM-2300TP</b> TPM Compliant with TCG 1.2</p>	 <p><b>PCM-23C1CF</b> CFast, Ejection Type I, CFast x 1</p>	 <p><b>PCM-23U1DG</b> Locked USB Slot for USB Dongle, USB x 1</p>
 <p><b>PCM-24D2R2/24D2R4</b> OXPCIe-952 UART, Isolated RS-232, 422/485, DB9 x 2</p>	 <p><b>PCM-24D4R2/24D4R4</b> OXPCIe-954 UART, Non-Isolated RS-232, 422/485, DB37 x 1</p>	 <p><b>PCM-24R2PE</b> Intel i350, GbE, PoE IEEE 802.3af, PD, RJ45 x 2</p>	 <p><b>PCM-24R2GL</b> Intel i350 PCIe, GbE, LAN Mini Card, RJ45 x 2</p>
 <p><b>PCM-24R1TP</b> Intel 82574L, GbE, IEEE 1588 PTP, RJ45 x 1</p>	 <p><b>PCM-24U2U3</b> USB 3.0 Mini Card, USB x 2</p>	 <p><b>PCM-24S2WF</b> 802.11 a/b/g/n 2T2R w/ BT4.0, Atheros AR9462, SMA x 2</p>	 <p><b>PCM-24S23G</b> 6-band HSPA Cellular Module, SIM Holder+ GPS, SMA x 2</p>
 <p><b>PCM-24S24G</b> LTE Bands, UMTS/HSPA Bands, GPS/GPRS Bands, SMA x 2</p>	 <p><b>PCM-26D2CA</b> SJA1000 CANBus, CANOpen, DB9 x 2</p>	 <p><b>PCM-26D1PB</b> Hilscher netX100 FieldBus, ProfiBus, DB9 x 1</p>	 <p><b>PCM-27D24DI</b> Digital I/O, 16 DI / 8 DO, Isolation, DB37 x 1</p>