Box IPC
Endurance and reliability

XB300 industrial BOX PC family offers a complete range of products able to fully satisfy any automation requirement.

XB300 industrial BOX PC range gives the maximum power to your applications thanks to the possibility to choose between several CPUs of series Intel® Core™ and Core 2 Duo, Celeron B810, Celeron Core Duo T3100, Intel Core2Duo P8400, Intel Atom N270 , with or without slots, 2 or 3 PCI/PCIe on board.

XB300 BOX PC range has a modular architecture in order to best exploit the potential of Intel CPUs, ensuring both low energy consumption and high performance.

XB300's aluminum finned cover also permits a quick heat dissipation generated from the internal motherboard components.

These are XB300 main features:

- Wide choice of configurations with/without PCI slot, 2 or 3 PCI/PCIe
- High configuration flexibility with modular HDD,SSD,PCI slot, CPU and RAM
- Removable HDD/SSD
- RAID function
- Industrial design that can meet any automation requirement
- Low energy consumption thanks to the aluminum finned cover that permits a quick heat dissipation
- Easy installation and maintenance on cabinets or on a side of the machine

Features	XB300 3 Slots iCore	XB300 2PCI Celeron/ C2D	XB300 2PCIe Celeron
CPU Fanless	Intel® iCore i3-3120ME 2.4 GHz, i5-3610ME 2.7 GHz Cel. B810 1,6 GHz	Intel ® Core2Duo P8400 2,26 GHz Intel ® Celeron Dual Core T3100 1.9 GHz	Celeron Quad Core N2930 1,83 GHz Fanless
Chipset	QM77	GM45+ICH9M	SoC
FSB	DMI 5GT/s	800/1066 MHz	800/1066 MHz
RAM	up to 16 GB DDR3	up tp 8 GB DDR3	up to 8GB DDR3L
Hard disk / SSD (opt.)	Min. 500GB 2,5" SATA / SSD 32 GB		
Compact flash slot External access	1 x		-
RS232 serial port	1 x		2 x
RS485 serial port	2 x	-	2x
USB ports (2.0/3.0)	2x / 6x	4 x	4 x / 4x
Power ON green LED frontal	1 x		
HDD red led	1 x		
ATX/APO selector	Via BIOS	1 x	Via BIOS
PS/2 keyboard / mouse	USB	1 x	USB
1 Slot	1x PCI	-	-
2 Slot	1x PCIe x8	2 x PCI	2 x PCIe 1x
3 Slot	1x PCIe x8	-	-
Wi-Fi card (opt.)	Internal PCI/PCIe		
Video port	1 x DVI-I (single-link) + 1 x HDMI	1 x VGA + 1 x DVI-I (single-link digital signal only)	1 x VGA + 1 x HDMI
Audio port	MIC IN + Line OUT	MIC IN + Line IN + Line OUT	1 x Line Out / Mic In
Ethernet ports RJ45	2 x Ethernet 10/100/1000 Mbit RTL 82574	2 x Ethernet 10/100/1000 Mbit RTL 8111C	2 x Ethernet 1Gbit RJ45 - Intel 82574L
External (W x H x D) (mm)	203,2 x 268 x 125	203,2 x 268 x 125	230 x 240 x 126
Connector GPIO	-	-	1 x 8 bit 4DI/4DO
Power supply (Vdc)	11..32 - max 95 W		9...36 – max 22W
Power consumption (24 Vdc - basic config - NO PCI CARDS) (W)	42/54	54/42	22
Protection degree	IP 20		
Weight (kg)	5,5	5	4,3
Operating temperature (°C)	0 .. +50		
Storage temperature (°C)	-20...+60		-30 ... +70
Humidity	85%		90%
Certifications	CE / Immunity EN 61000-6-2 / Emissions 61000-6-4		
Optional kits			
RAID 2xHDD function	1 x		1 x
Removable HDD/SSD (opt.)	1x (opt.)		Extractable drawer for HDD/SSD installed
Operating system (32/64 bit according to CPU type)	WIN7 – WES2009 – WIN ® XP Pro SP3 MUI – WIN 8.1 – WIN 10 IoT Enterprise LTSB 2016		