



Esaware Box IPC

Rugged design. Expandable technology.

The new Box IPC range that fulfills even the toughest industrial requirements.

Esaware EW400 rugged Box IPCs have been designed for harsh industrial environments.

The EW400 series is particularly suited when thermal shocks and critical temperature conditions are required, -20 / +60 °C .

These are EW400 Rugged main features:

- Fanless design
- Rugged structure
- A technologically advanced heat dissipation system and an operating Temperature between -20 and + 60°C
- Heat-pipe cooling: an efficient active cooling system that allows the device to maintain superior computing performances without CPU throttling even in high temperature environments
- Up to CPU i7 quad core
- Equipped with the state-of-the-art I/F; USB 3.0, CFast, PCIe/PCI expansions



Side A - Detail of CFast slot , serial ports and main power push button switch.
APO or ATX selection.



Side B - Huge I/F capability towards the field, 3 display ports , 4 USB 3.0 , 2 independent LAN ports.





Features

EW400 Atom

EW400 Intel Core

Aluminium Enclosure	Heavy duty steel chassis Selection ATX/APO via Bios LED green on/off On/Off push-button LED red HDD Lockable power connector Aluminum heat-sink with Heat-Pipe thermal system	
CPU Fanless	Atom Dual Core D2550 1,86 GHz	Intel Core i3-3120ME 2,4GHz Intel Core i7-3610QE Quad 2,3GHz
Chipset	NM10 DMI 2,3GT/s	QM77 DMI 5GT/s
GPU embedded	GMA3650 min 640 MHz	HD Graphics 4000 650/1000 MHz
RAM	2GB RAM up to 16GB DDR3	4GB RAM up to 16GB DDR3 SODIMM 204-pin 1333 MHz
I/F	2 x RS232/422/485 Sub-D 9 pin 3 x RS232 Sub-D 9 pin 6 x USB ver.2.0 2 x Ethernet 1 Gbit RJ45 - Intel 82574L 1 x miniPCIe slot 1 x VGA 1 x DVI-D 1 x Line Out / Mic In 1 x CFast slot external access	2 x RS232/422/485 Sub-D 9 pin 3 x RS232 Sub-D 9 pin 4 x USB ver. 3.0 2 x Ethernet 1 Gbit RJ45 - Intel 82579/82574L 1 x miniPCIe slot 1 x VGA 1 x DVI-D 1 x HDMI 1 x Line Out / Mic In 1 x CFast slot external access
Drives	HDD min. 500GB/SSD min. 16GB/CFast min. 4GB	HDD min. 500GB/SSD min. 16GB/CFast min. 4GB [RAID 0-1 optional]
Mechanical slot (opt.)	-	2 x slot (1xPCIe x1 + 1PCI)
Operating Temperature (°C)	-20...+ 60 (non condensing)	
Storage Temperature (°C)	-40 ... +80	
Humidity	<90% (non condensing)	
Weight (kg)	3	4,5/6 (0/2 slot ver.)
Power supply (Vdc)	9...26 - 22W (2GB + HDD)	9...26 - 45W (i3 - 4GB+HDD)
Dimensions (W/H/D) (mm)	299x216x59	337x239x77 / 337x239x122 (0/2 slot ver.)
Operating system (32/64 bit according to CPU type)	WIN7 - WES7	
Protection degree	IP20	
Certifications	CE / EN61000-6-2 / EN61000-6-4 / EAC	



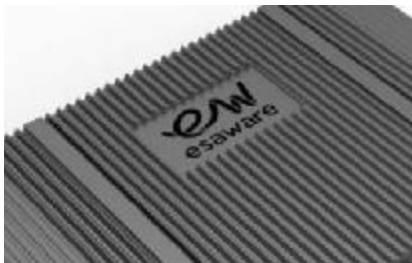
Esaware Box IPC

Compact design. Multi-connectivity.

Esaware EW410 Box IPC series offers a multi-functions compact version designed for industrial applications. EW410 thanks to its compactness and the variety of I/F can be used in any industrial or professional application. By means of lateral fixing plates or DIN-RAIL mount accessory, EW410 can be easily installed directly into the machine or positioned inside the electrical cabinet.

These are EW410 Compact main features:

- Fanless design
- High performances in a compact size
- Multi I/F to communicate with the field
- Serial, USB, ETH, and mini PCIe slot to support mSATA, 3G and Wi-Fi cards.
- An elegant and functional design with aluminum heat-sink for highly efficient passive heat dissipation
- Dual monitor control function.
- SSD or HDD support (CPU J1900 only)



Full covered with aluminum heat-sink for optimal conventional heat dissipation.



Detail of I/F ports
2 or 4 independent LANs
4 USB 2.0 - 3.0
2 multi serial ports
Main push button switch





Features

Aluminium Enclosure	Heavy alu extrusion chassis Aluminum Heat-Sink LED green on/off Selection ATX/APO via Bios On/Off push-button LED blue HDD Lockable power connector Wall/VESA/DIN rail - mounting options	
CPU Fanless	Celeron Quad Core J1900 2,00 GHz	Atom Dual Core D2550 1,86 GHz
Chipset	SoC	NM10 DMI 2,5GT/s
GPU embedded	HD Graphics Resolution 1920 x 1080 DVI Resolution 2560 x 1600 VGA	GMA3650 Resolution 1920 x 1080 DVI /VGA
RAM	RAM 4GB DDR3L 1066 MHz on board	RAM 2GB DDR3 1066 MHz on board
I/F	2 x RS232/422/485 Sub-D 9 pin 1 x RS232/422/485 8-bit DIO 9 pin 4 x USB ver. 2.0 1 x USB ver. 3.0 1 x DVI-I 4 x Ethernet 1 Gbit RJ45 - Intel I210 2 x MiniPCIe slot (1x mSATA) 1 x SIM slot (RS485 Auto Direct.Control)	2 x RS232/422/485 Sub-D 9 pin 4 x USB ver. 2.0 2 x Ethernet 1 Gbit RJ45 - Intel 82574L 3 x MiniPCIe slot (1x mSATA) 1 x DVI-I 1 x Line Out / Mic In 1 x CFast slot external access 1 x SIM slot (RS485 Auto Direct.Control)
Drives options	mSATA/SSD/HDD	CFast/mSATA
Operating Temperature (°C)	0...+60 (non condensing)	
StorageTemperature (°C)	-20...+80	
Humidity	85% (non condensing)	
Weight (kg)	0,8	0,7
Power supply (Vdc)	9 ... 36 max 20W	9 ... 26 - max 20W
Dimensions (W/H/D) (mm)	180 x 121 x 33	161x108x32
Operating system (32/64 bit according to CPU type)	WIN7 - WES7 - WIN8.1 - WIN10 - UBUNTO 14	WIN7 - WES7 - WES2009 - UBUNTO 12
Protection degree	IP20	
Certifications	CE - EN61000-6-2 / EN61000-6-4 / EAC	



Box IPC

Endurance and reliability

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

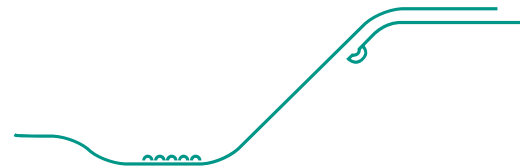
XB300 industrial BOX PC range gives the maximum power to your applications thanks to the possibility to choose between several CPUs of series Intel® Core™ and Core 2 Duo, Celeron B810, Celeron Core Duo T3100, Intel Core2Duo P8400, Intel Atom N270 , with or without slots, 2 or 3 PCI/PCIe on board.

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 OPCI Celeron/ C2D	XB300 2PCI Celeron/ C2D
CPU Fanless	Intel® iCore i3-3120ME 2.4 GHz, i5-3610ME 2.7 GHz Cel. B810 1,6 GHz	Intel® Celeron Core Duo T3100 1,9 GHz Intel® Core2Duo P8400 2,26 GHz	
Chipset	QM77	GM45+ICH9M	
FSB	DMI 5GT/s	800/1066 MHz	
RAM	up to 16 GB DDR3	up to 8 GB DDR3	
Hard disk / SSD (opt.)	min. 500 GB 2,5" SATA / SSD 16 GB	min. 500 GB 2,5" SATA / SSD 16 GB	
Compact flash slot External access	1 x	1 x	
RS232 serial port	2 x	2 x	
RS485 serial port	2 x	-	
USB ports (2.0/3.0)	2x / 6x	4 x	
Power ON green LED frontal	1 x	1 x	
HDD red led	1 x	1 x	
ATX/APO selector	via software	1 x	
PS/2 keyboard / mouse	USB	1 x	
1 Slot	1x PCI	-	2 x PCI
2 Slot	1x PCIe x8	-	2 x PCI
3 Slot	1x PCIe x8	-	2 x PCI
Wi-Fi card (opt.)	internal USB / PCI	internal USB / PCI	
Video port	1 x DVI-I (single-link) + 1 x HDMI	1 x VGA + 1 x DVI-I (single-link digital signal only)	
Audio port	MIC IN + Line OUT	MIC IN + Line IN + Line OUT	
Ethernet ports RJ45	2 x Ethernet 10/100/1000 Mbit RTL 82574	2 x Ethernet 10/100/1000 Mbit RTL 8111C	
External (W x H x D) (mm)	203,2 x 268 x 125	203,5 x 268 x 80	203,2 x 268 x 125
Back-up with battery	1 x	1 x	
Power supply (Vdc)	11..32 - max 95 W	11..32 - max 95 W	
Power consumption (24 Vdc - basic config - NO PCI CARDS) (W)	42/54	54/42	
Protection degree	IP20		
Weight (kg)	5,5	4,5	5
Operating temperature (°C)	0 .. +50		
Storage temperature (°C)	-20...+60		
Humidity	85%		
Certifications	CE / Immunity EN 61000-6-2 / Emissions 61000-6-4		
Optional kits			
RAID 2xHDD function	1 x		
Removable HDD/SSD (opt.)	1 x		
Operating system (32/64 bit according to CPU type)	WIN7 - WES2009 - Win® XP Pro SP3 MUI		

