



Esaware Box IPC

Rugged design. Expandable technology.

EW420 Dynamic box IPC is the new Esaware box IPC. A fanless device equipped with 6th generation of CPU, like Intel® Core™ i3, i5 and i7 Celeron G3900TE, and 4 LAN ports.

EW420 box IPC is the ideal solution to satisfy applications who require power and wide connectivity to the field.

It is equipped with 4 independent LAN ports (1 Gbit) and 4 serial ports (settable via BIOS) like RS232/422/485, 2.0 and 3.0 USB.

Wi-Fi and 3G options, mass storages such as mSATA, HDD or 2,5" SSD and PCIe slots make EW420 the ideal solution for industrial and professional IT applications. Furthermore, EW420 supporting 0-50°C operating temperatures is suitable for harsh environments.

These are EW420 Dynamic 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.
- Multi SSD/HDD support with extractable drawer



SSD/HDD extractable drawer - GPIO connector



4 LAN ports



Features

Heavy duty steel chassis	Selection ATX/APO via BIOS LED green on/off On/Off push-button LED red HDD Lockable industrial power connector Aluminium Heat-sink
CPU Fanless	Core i7-6700TE Quad Core 2,4 GHz Fanless Core i5-6500TE Quad Core 2,3GHz Fanless Core i3-6100TE Dual Core 2,7 GHz Fanless Celeron G3900TE Dual Core 2,3 GHz Fanless
Chipset	H170 DMI 8GT/s
GPU embedded	HD Graphics 530 CPU icore HD Graphics 510 CPU Celeron
RAM	RAM up to 32GB DDR4 SODIMM 260-pin 2133 MHz
I/F	2 x RS232/422/485 Sub-D 9 pin 2 x RS232 Sub-D 9 pin 4 x USB ver. 3.0 + 2x ver- 2.0 4 x Ethernet 1Gbit RJ45 - Intel 82574L 1 x DP port + 1 x DVI-I + 1 x HDMI 1 x Line In-Out / Mic In 3 x MiniPCIe slot FS (one mSATA) 1 x connector GPIO 8bit 4DI/4DO
Drives options	1/2x HDD (min. 500GB) /SSD (min 32GB) on extractable drawer(s) RAID 0-1 [optional]
Mechanical slot (opt.)	2 x slot (PCIe x1)
Operating Temperature (°C)	0... +50 (non condensing)
StorageTemperature (°C)	-40 ... +85
Humidity	< 90% (non condensing)
Weight (kg)	4,5/5,5 (0/2 slot ver.)
Power supply (Vdc)	9...36
Power consumption (24 Vdc - basic config - NO PCI CARDS) (W)	55 (i7-4GB+HDD) max 56,3 without PCI 60,4 with PCI
Dimensions (W/H/D) (mm)	280x230x87 / 280x230x135 (0-2 slot ver.)
Operating system (32/64 bit according to CPU type)	WIN7 - WES7 - WIN 8.1 - WIN 10 IoT Enterprise LTSC 2016
Protection degree	IP 20
Certifications	CE - EN61000-6-2 / EN61000-6-4 / EAC