

FPC-7801/7802/7803

Robust Box PC with 4th Generation Intel® Core™ i7/i5/i3 Haswell Processor



Features

- Fanless Design
- Wide Range DC Power Input (9~36V)
- iAMT supported
- Triple Independent Displays (DVI-I + DisplayPort*2) supported
- Optional WiFi or HSUPA Wireless Connectivity supported
- Rugged Design for Shock / Vibration Protection
- Memory Support up to 16GB (DDR3)
- RAID 0,1 Supported

System	
CPU	4 th Generation Intel® Core™ i7/i5/i3 or Haswell Processor in LGA1150 socket
Memory	2 x 204-pin DDR3 SO-DIMM sockets, supporting 1600MHz SDRAM up to 16GB
Chipset	Intel® Q87
Graphics	Integrated Intel® HD 4600
ATA	2 x Serial ATA ports with RAID 0/1 support
LAN Chipset	1 x Intel® i217LM GbE PHY w/ iAMT 2 x Intel® i210IT GbE
Watchdog Timer	1~255 levels reset
I/O	
Serial Port	COM1/ COM2 RS-232/422/485 Selectable COM3/COM4 RS-232
USB Port	6 x USB 3.0/ 2.0 ports Internal USB dongle (Optional)
LAN	3 x RJ-45 ports for GbE
Video Port	2 x DisplayPort female connector for Digital Video output 1 x DVI-I female connector for Digital/Analog Video output
Selectable Port	1 x DB25 connector for 1 x DIO (8 in/8 out) port or 1 x LPT port (either one) DIO by default, can be changed to LPT
Audio	Mic-in/Line-out
Expansion Bus	1 x Full-size mini-card socket interconnected with SIM card socket [PCIe x1 + USB2.0] 1 x half-size mini-card socket [USB2.0] CFast socket (outside accessible) 1 x PCIe x 16 slot, 1 x PCI slot (FPC-7801) 1 x PCIe x 16 slot, 1 x PCIe x8 slot (via x 4 lanes) (FPC-7802) 2 x PCI (FPC-7803)

Environmental

Operating Temp.	-20 ~ 55°C (-4 ~ 131°F), ambient w/ air flow
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 55°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation w/ SSD
Shock	Operating 40G (11ms), Non-operating 60G with SSD

Qualification

Certification	CE, FCC Class A
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Power Requirement

Power Input	DC 9~36V input w/ 4-pin terminal block
Power Consumption	Max.75W(w/o I/O Card)

Storage

Type	2 x 2.5" drive bays 1 x outside accessible CFast socket
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Mechanical

Construction	Aluminum alloy
Mounting	Wall-mount
Weight	7 kg (15.43 lb)
Dimensions (W x D x H)	225 x 267 x 120 mm (FPC-7801/FPC-7802/FPC-7803)

OS Support

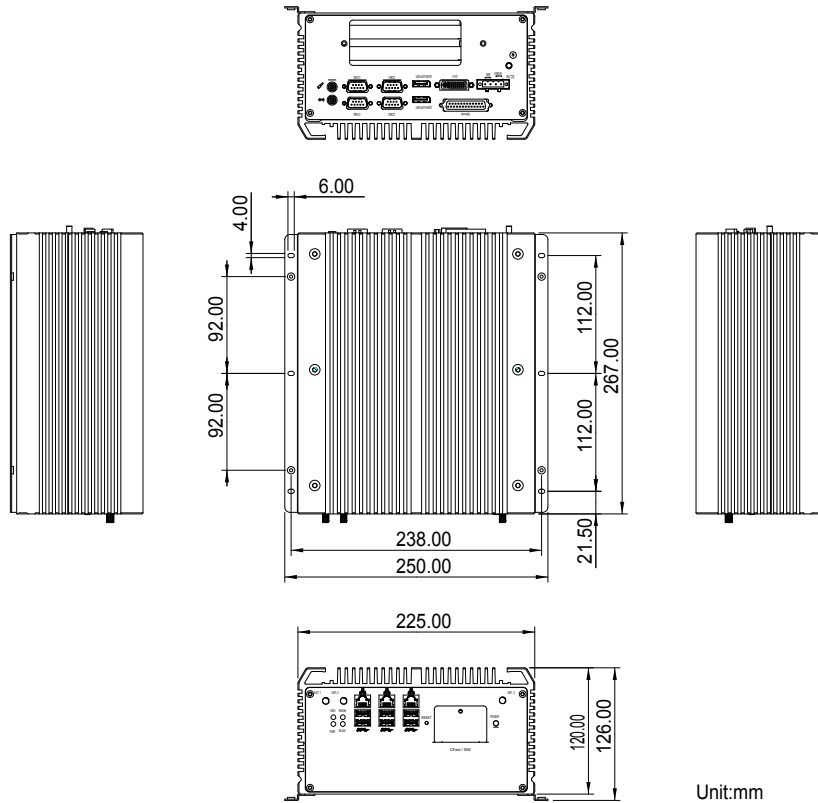
W7 Pro / WS7E / WE8 STD

Ordering Information

FPC-7801	Fanless system,w/ 1 x PCI + PCIe x16
FPC-7802	Fanless system, w/ 1 xPCIe x 8 + 1 x PCIe x16
FPC-7803	Fanless system, w/ 2 PCI



Dimensions



Unit:mm

Optional Accessories

PAC-B120W-FSP 19V/6.32A 120W AC/DC adapter kit



WMK-7000 Wall-mount kit for FPC-7XXX Series



Optional Configuration (CTOS*Kit)

80GB SSD Intel® 2.5" 80GB SATAIII SSD kit



HSPA-SI1400 HSUPA 3.75G module kit & internal wiring



WIFI-AT2300 Atheros AR9462 Wi-Fi module w/ 20cm internal wiring



ANT-H11 1 x 2dBi HSUPA antenna



ANT-D11 1 x Wi-Fi Dual-band 2.4G/5G antenna



Core™ i3-4340TE Intel® 4th Gen. Core™ i3-4340TE processor, L2/4M, 2.6G

Core™ i5-4590T Intel® 4th Gen. Core™ i5-4590T processor, L2/6M, 2.0G

Core™ i7-4770TE Intel® 4th Gen. Core™ i7-4770TE processor, L2/8M, 2.3G



MK-3C-4G-1 DDR3-1600 4GB SDRAM DIMM1 kit

MK-3C-4G-2 DDR3-1600 4GB SDRAM DIMM2 kit

MK-3C-8G-1 DDR3-1600 8GB SDRAM DIMM1 kit

MK-3C-8G-2 DDR3-1600 8GB SDRAM DIMM2 kit



UDK-7702 Internal USB dongle kit for FPC-7701/7702/7703

