

# FPC-7801/7802/7803

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

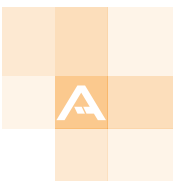


## Features

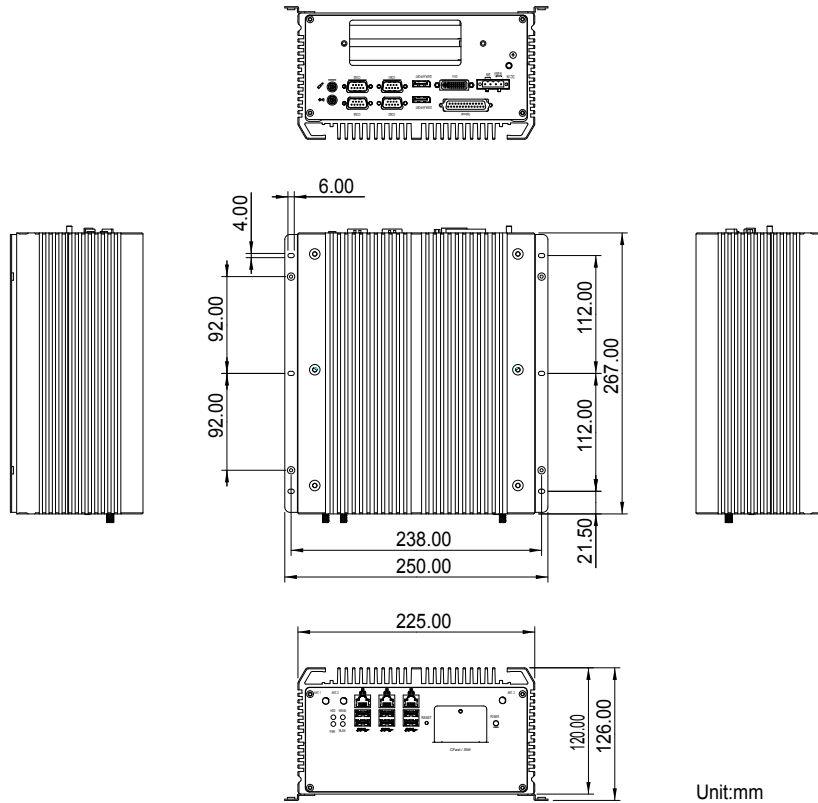
- Fanless Design
- Wide Range DC Power Input (9~36V)
- iAMT supported
- Triple Independent Displays (DVI-I + DisplayPort\*2) supported
- Optional WiFi or HSUPA Wireless Connectivity supported
- Rugged Design for Shock / Vibration Protection
- Memory Support up to 16GB (DDR3)
- RAID 0,1 Supported

System	
CPU	4 <sup>th</sup> 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
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
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 / W10 IoT / Linux (Kernel 4.4.x)	
Ordering Information	
<b>FPC-7801</b>	Fanless system, w/ 1 x PCI + PCIe x16
<b>FPC-7802</b>	Fanless system, w/ 1 x PCIe x 8 + 1 x PCIe x16
<b>FPC-7803</b>	Fanless system, w/ 2 PCI



# Dimensions



Unit:mm

## Optional Accessories

PAC-120W6B-FSP      120W AC/DC adapter kit w/ 2-pin/3-pin/4-pin block



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



## Optional Configuration (CTOS\*Kit)

150GB SSD            Intel® 2.5" 150GB SATAIII SSD kit



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

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



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

MK-3C-4G-1            DDR3/DDR3L-1600 4GB SDRAM DIMM1 kit

MK-3C-4G-2            DDR3/DDR3L-1600 4GB SDRAM DIMM2 kit

MK-3C-8G-1            DDR3/DDR3L-1600 8GB SDRAM DIMM1 kit

MK-3C-8G-2            DDR3/DDR3L-1600 8GB SDRAM DIMM2 kit



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

