FPC-7800

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

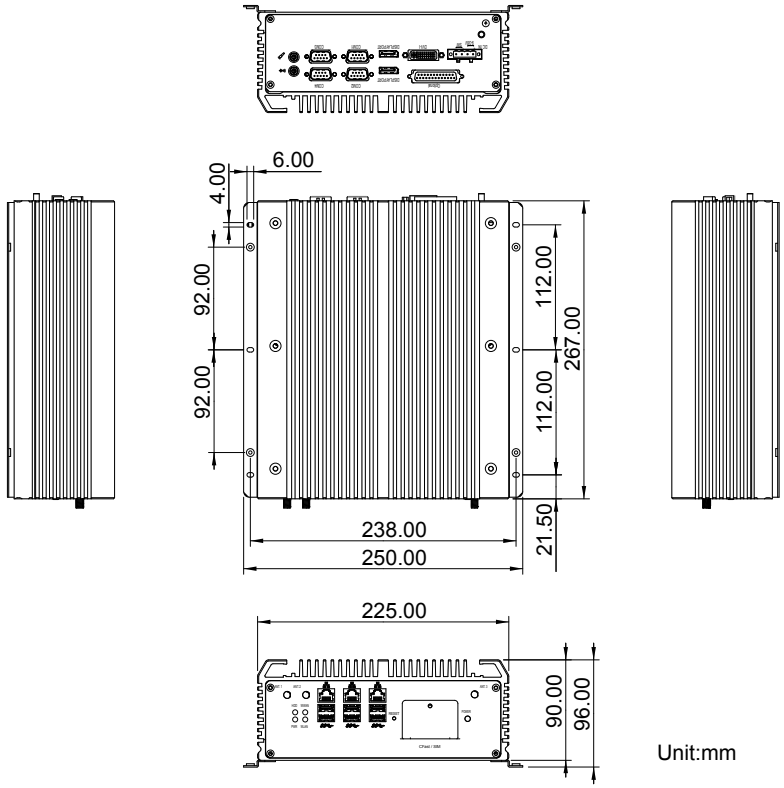
Features

- 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	4th 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
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)
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	6.4 kg (14.1 lb)
Dimensions (W x D x H)	225 x 267 x 90 mm
OS Support	
W7 Pro / WS7E / WE8 STD	
Ordering Information	
FPC-7800	Fanless system, w/o expansion.

All specifications are subject to change without notice.

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	