◆ FPC-7500

Robust Box PC with Intel® Socket G Core™ i5/i7 Platform

Features

- **Fanless Design**
- Wide Range DC Power Input (10 ~ 28V)
- Serial Port with 5V/12V Power Output
- Support RS-485 Auto-flow Function
- Rich Onboard I/O and Expansion Slots (1 x PCIe x8, 1 x Mini-card, 1 x SIM Socket)
- Support Various Video Interfaces (Analog RGB, DisplayPort, DVI)
- Support Outside Accessible CFAST Slot
- Support Optional WiFi or HSUPA Wireless Connection
- Support DDR3 SO-DIMM up to 8GB
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- Intel® SSD Compatible

System

CPU	Intel® Socket G Core™ i5/i7 series processors
Memory	2 x 204-pin Dual Channels DDR3 SO-DIMM Sockets up to 8GB at 800/1066MHz
Chipset	Intel® QM57
Graphics	Integrated Intel® HD Graphics controller
ATA	2 x Serial ATA ports with 300MB/s HDD transfer rate
LAN Chipset	2 x Intel® WG82574IT Gigabit Ethernet controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	1 x DB-44 female connector
	Support 4 x RS-232 ports (COM3, 4 are RS-232/485 selectable)
USB Port	8 x USB 2.0 ports
LAN	2 x RJ-45 ports for Gigabit Ethernet
Video Port	1 x DB-15 female connector for Analog RGB
	1 x DisplayPort
	1 x DVI-D female connector for Digital Video output
Selectable Port	DVI-D by defualt, which can be changed to DIO or LPT
	1 x 16-bit digital I/O, 8 in/8 out
	SPP/EPP/ECP mode for LPT
Audio	Mic-in/Line-out (6W pre-amplified)
KB/MS	1 x 6-pin Mini-DIN for Keyboard and Mouse
Expansion Bus	1 x PCIe x8 slot w/ riser card
	1 x Mini-card slot interconnected with SIM card socket for optional WiFi or HSUPA module
	1 x SIM socket (outside accessible)

Environmental

Operating Temp.	-20 ~ 55°C (-4 ~ 131°F), ambient w/ air flow
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation
Shock & Crash	Operating 20G (11ms), Non-operating 40G with HDD
	Operating 40G (11ms), Non-operating 60G with CF/SSD
	Crash 80G (11ms)

Qualification

Certification	CE, FCC

Power Requirement

Power Input	DC 10~28V input (w/ 4-pin DC input terminal block combine remote power on/off switch)
Power Consumption	120W (Max.)

Storage

Type	1 or 2 x 2.5" drive bay for HDD/SSD w/ 9.5mm height limit
	1 x CFAST Socket which can be outside accessible

Mechanical

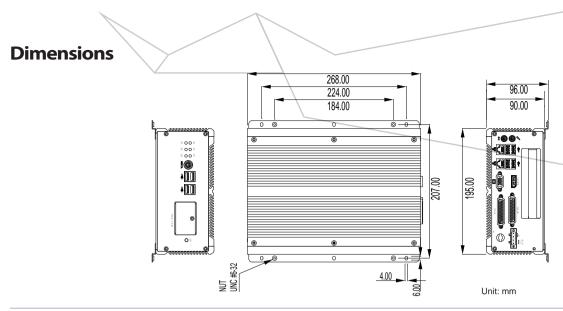|	
Construction	Aluminum alloy
Mounting	Support wall-mounting
Weight	4.2 kg (9.24 lb)
Dimensions (W x D x H)	195 x 268 x 90 mm (7.68" x 10.55" x 3.54")

Ordering Information

FPC-7500	Barebone system w/o storage device, CPU, memory

» **Fanless Design**

All specifications are subject to change without notice.

Dimensions

268.00
224.00
184.00

207.00

96.00
90.00

195.00

NUT
UNC #6-32

4.00

6.00

Unit: mm

Optional Accessories

PAC-B120W-FSP
120W AC/DC adapter kit

Power Input	100 ~ 240 VAC
Power Output	19VDC, 6.32A, 120W

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

Material	SPCC+Ni
Dimensions (W x D x H)	264 x 28.5 x 6 mm (10.39" x 1.12" x 0.23")

CBL-7100-COM
COM converter cable

External I/O	4 x COM Ports
Length	20 cm

Optional Configuration (CTOS* Kit)

MK-3C-2G-1	**DDR3-1333 2GB SDRAM DIMM1 kit**
MK-3C-2G-2	**DDR3-1333 2GB SDRAM DIMM2 kit**

SSD-25080
Intel® 2.5" 80GB SATAII SSD kit

Brand/Type	Intel / 2.5 inch
Interface	SATAII
Capacity	80GB
Dimensions (W x D x H)	100.45 x 69.85 x 9.5 mm (3.95" x 2.75" x 0.37")

HSUPA-3500	**HSUPA 3.75G module kit w/ 2dBi HSUPA antenna & 25cm internal wiring**
WiFi-3500	**802.11 b/g/n WiFi module kit w/ 2dBi WiFi antenna & 15cm internal wiring**
5001642691480P	**Core™ i7-620M 2.66GHz w/ 4M cache**
5001642491490P	**Core™ i5-520M 2.4GHz w/ 3M cache**
5001351891470P	**Celeron® Dual Core P4500 1.86GHz w/ 2M cache**

CTOS means Configure to Order Service.

» Front-access CFast & SIM for Easy Maintenance

Unscrew and pull down the door

Insert CFast card

Insert SIM card