

Robust Box PC with Intel® Sandy Bridge / Ivy Bridge Platform



Features



- **Fanless Design**
- Wide Range DC Power Input (9 ~36V)
- 2 x Series port with 5V power output
- Support iAMT function (Optional)
- Support Various Video Interfaces (DVI-I + DVI-D)
- Support Optional WiFi or HSUPA Wireless Connectivity
- Rugged Design for Shock/Vibration Protection
- Memory support up to 16GB(DDR3)
- Intel Raid Supported
- Intel® SSD compatible

System

CPU	Intel® Sandy Bridge/ Ivy Bridge rPGA988 (Socket G2/G3)
Memory	2 x 204-pin DDR3 SO-DIMM Sockets up to 16GB at 1333/1600MHz
Chipset	Intel® QM77
Graphics	Integrated Intel® HD 4000
ATA	2 x SATA3 6 Mb/s(600MB/s) HDD transfer rate, Raid 0+1 2 x eSATA
LAN Chipset	2 x Intel® WG82583V Gigabit Ethernet controllers 1 x Intel® WG82579LM Gigabit Ethernet controller
Watchdog Timer	1~255 levels reset

I/O

	1 x DB-44 male connector
Serial Port	COM1/2 are RS-232 w/5v power output COM3/4 are RS-232/422/485 Selectable, w/2.5kv isolation protection
USB Port	6 x USB 2.0 ports, 4 x USB 3.0 ports 2 x internal USB dongle for software license key(F7701/02)
LAN	3 x RJ-45 ports for Gigabit Ethernet
Video Port	1 x DVI-I female connector for Digital/Analog Video output 1 x DVI-D female connector for Digital Video output
Selectable Port	1 x DB25 connector for 1 x DIO (8 x IN, 8 x OUT) port or 1 x LPT/PIO port (either one) DIO by default, which can be changed to LPT
Audio	Mic-in/Line-out
Expansion Bus	1 x Mini-card slot interconnector with SIM card socket for optional WiFi or HSUPA module 1 x SIM socket/1 x CFast socket (outside accessible) 1 x PCIe x16 slot + 1 x PCI slot (F7701) 1 x PCIe x16 slot + 1 x PCIe x8 slot (via x4 lanes) (F7702)

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 w/ SSD

Shock

Operating 20G (11ms), Non-operating 40G with HDD
Operating 50G (11ms), Non-operating 80G with SSD
Crash 100G, 11ms

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	3.51A/19V, 67W (i7 Quad-core)

Storage

	1 x 2.5" drive bay for F7700
Type	2 x 2.5" drive bays for F7701/02 1 x CFast Socket

Mechanical

Construction	Aluminum alloy
Mounting	Support wall-mounting
Weight	7 kg (15.43 lb)
Dimensions (W x D x H)	225 x 267 x 90 mm (F7700) 225 x 267 x 120 mm (F7701/02)

Ordering Information

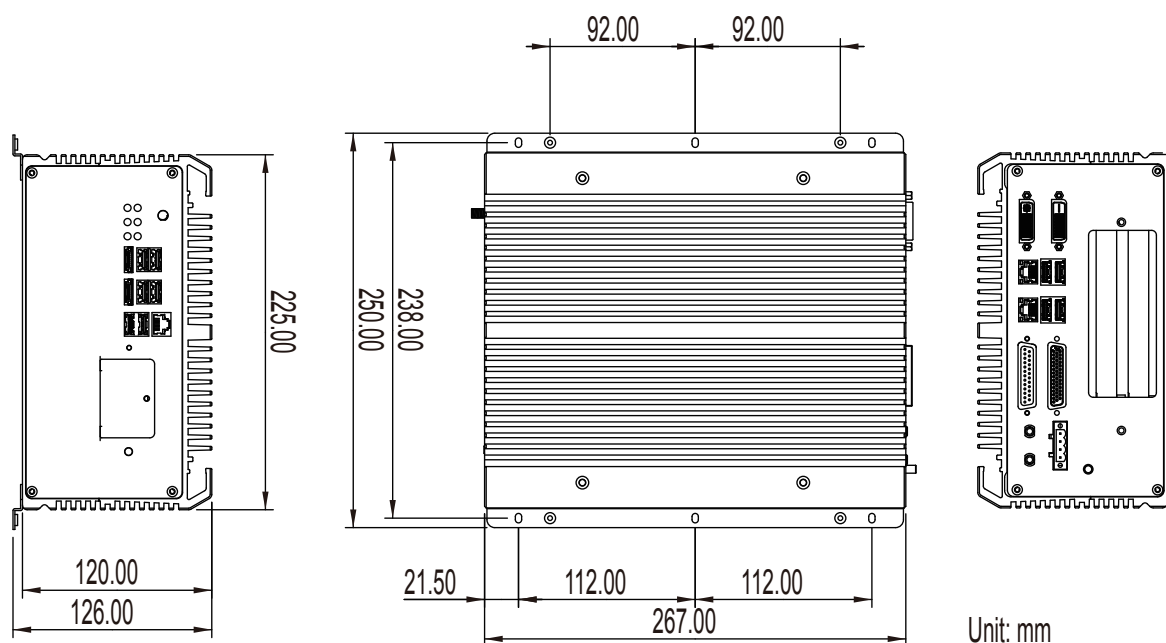
F7700	Fan-less system w/o expansion
F7701	Fan-less system w/ 1 x PCI + 1 x PCIe16
F7702	Fan-less system w/ 1 x PCIe16 + 1 x PCIe16



» Fanless Design



Dimensions



Optional Accessories

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



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

CBL-7100-COM
COM converter cable



External I/O	4 x COM Ports
Length	20 cm

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")

Optional Configuration (CTOS* Kit)

SSD-25040
2.5" SATAII SSD kit



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

HSPA-SI1400



HSUPA 3.75G module kit & internal wiring

WIFI-IN1300



Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm internal wiring

ANT-H11



1 x 2dBi HSUPA antenna

ANT-D11

1 x WiFi Dual-band 2.4G/5G antenna

*CTOS means Configure to Order Service.

All specifications are subject to change without notice.