

FPC-7310

Robust Box PC with Intel® Socket P Core™ 2 Duo Platform



Features

- **Fanless Design**
- Wide Range DC Power Input (10 ~ 28V)
- Rich Onboard I/O and Expansion Slots (1 x PCI, 1 x Mini-card)
- Support Various Video Interfaces (Analog RGB, DVI, DisplayPort, TV-out)
- Support Outside Accessible CFAST Slot, SIM Socket
- Support Optional WiFi or HSUPA Wireless Connection
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- Support DDR2 SO-DIMM up to 4GB
- Intel® SSD Compatible

System

CPU	Intel® Socket P (Penryn/Merom) Core™ 2 Duo/ Celeron® M with 667/800/1066MHz FSB
Memory	2 x 200-pin Dual Channels DDR2 SO-DIMM Sockets up to 4GB at 667/800MHz
Chipset	Intel® GM45 + ICH9M
Graphics	Intel® GM45 integrated GMA X4500, support DirectX 10, Shader Model 4.0
ATA	2 x Serial ATA ports with 300MB/s HDD transfer rate
LAN Chipset	2 x Realtek RTL8111 Gigabit Ethernet controllers
Watchdog Timer	1~255 levels reset

Peripherals and Devices

Serial Port	1 x DB-44 female connector Support 4 x RS-232 ports (COM3, 4 are RS-232/422/485 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
TV-out	1 x 6-pin Mini-DIN connector for S-Video output, or Composite output via external cable Either of DVI or Digital I/O or LPT
Selectable Port	1 x DVI-D female connector for Digital Video output 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 1 x PCI slot w/ riser card
Expansion Bus	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 Operating 20G (11ms), Non-operating 40G with HDD
Shock & Crash	Operating 40G (11ms), Non-operating 60G with CF/SSD Crash 80G (11ms)

Qualification

Certification	CE, FCC
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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

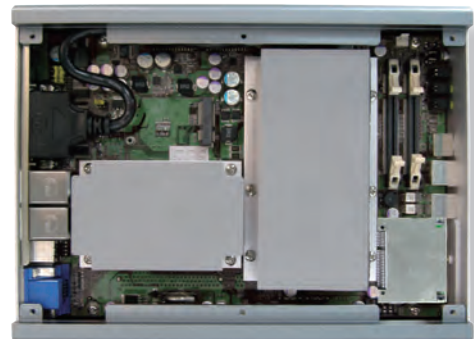
Type	1 x 2.5" drive bay for HDD/SSD 1 x CFAST Socket which can be outside accessible
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Mechanical

Construction	Aluminum alloy
Mounting	Support wall-mounting
Weight	3.9 kg (8.6 lb)
Dimensions (W x D x H)	195 x 268 x 80 mm (7.68" x 10.55" x 3.15")

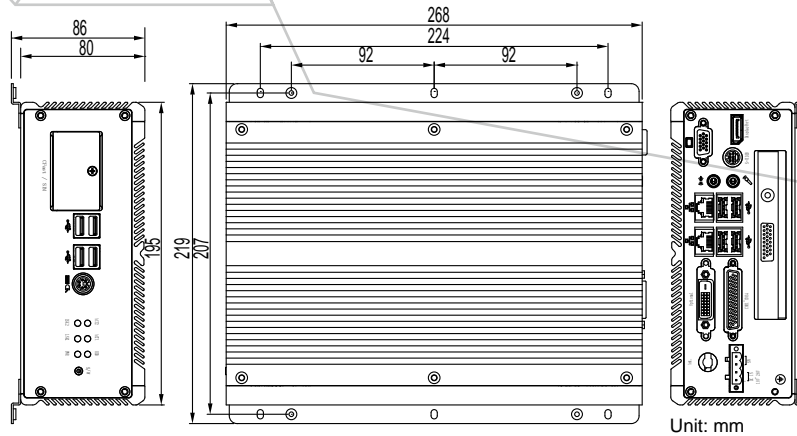
Ordering Information

FPC-7310	Barebone system w/o storage device, CPU, memory
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» Fanless Design

Dimensions



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-7310-COM

COM converter cable



External I/O

4 x COM Ports

Length

20 cm

Optional Configuration (CTOS* Kit)

MK-2C-2G-1

MK-2C-2G-2



DDR2-800 2GB SDRAM DIMM1 kit

DDR2-800 2GB SDRAM DIMM2 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")

SSD-25080

Intel® 2.5" 80GB SATAII SSD kit



HSUPA 3.75G module kit w/ 2dBi HSUPA antenna & 25cm internal wiring

HSUPA-3500



802.11 b/g/n WiFi module kit w/ 2dBi WiFi antenna & 15cm internal wiring

WiFi-3500



5001542290890P

5001351991460P

5001522090860P



Core™ 2 Duo P8400 2.26GHz w/ 3M cache

Celeron® Dual Core T3100 1.9GHz w/ 1M cache

Celeron® M 575 2.0GHz w/ 1M 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