

FPC-7310

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



Features

- Fanless Design
- Wide Range DC Power Input (10 ~ 28V)
- Rugged Design for Shock/Vibration Protection
- 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 GSM/UMTS, SIM Card for Connection
- Easy Installation/Maintenance
- Support DDR2 SO-DIMM up to 4GB

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 is 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
Selectable Port	Either of DVI or Digital I/O or LPT 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
GSM/UMTS	Up to HSUPA 3.75G(optional Mini-card)
Expansion Bus	1 x PCI slot w/ riser card 1 x Mini-card slot 1 x SIM socket

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	60W (Max.)

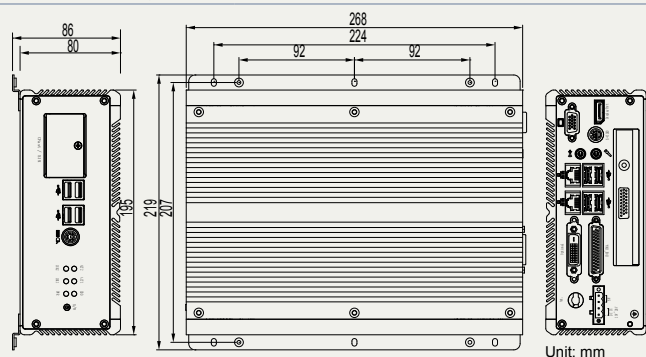
Storage

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

Mechanical

Construction	Aluminum alloy
Mounting	Support wall-mounting/Din rail 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")

Drawing



Ordering Information

FPC-7310	Barebone system w/o storage device, CPU, memory
DRK-001	Din rail kit of FPC series
WMK-7000	Wall-mount kit of FPC-XXXX
CBL-7310-COM	COM converter cable (1*44-pin male to 4*DB-9 female +2 x DB-9 female) L=200mm
PAC-B120W	120W AC/DC adapter kit
SSD-25080	Intel® 2.5" 80GB SATAII SSD kit

Recommended CPU list:

Core™ 2 Duo: P8400 2.20GHz with 1066MHz FSB
Celeron® Dual Core: T3100 1.9GHz with 800MHz FSB
Celeron® M: 575 2.0GHz with 667MHz FSB

All specifications are subject to change without notice.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ARBOR Technology:](#)

[CBL-7310-COM](#)