

# 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

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

## Peripherals and Devices

<b>Serial Port</b>	1 x DB-44 female connector Support 4 x RS-232 ports (COM3, 4 is RS-232/422/485 selectable)
<b>USB Port</b>	8 x USB 2.0 ports
<b>LAN</b>	2 x RJ-45 ports for Gigabit Ethernet
<b>Video Port</b>	1 x DB-15 female connector for Analog RGB 1 x Displayport
<b>TV-out</b>	1 x 6-pin Mini-DIN connector for S-Video output, or Composite output via external cable
<b>Selectable Port</b>	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
<b>Audio</b>	Mic-in/Line-out (6W pre-amplified)
<b>KB/MS</b>	1 x 6-pin Mini-DIN for Keyboard and Mouse
<b>GSM/UMTS</b>	Up to HSPA 3.75G(optional Mini-card)
<b>Expansion Bus</b>	1 x PCI slot w/ riser card 1 x Mini-card slot 1 x SIM socket

## Environmental

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

## Qualification

<b>Certification</b>	CE, FCC
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## Power Requirement

<b>Power Input</b>	DC 10~28V input (w/ 4-pin DC input terminal block combine remote power on/off switch)
<b>Power Consumption</b>	60W (Max.)

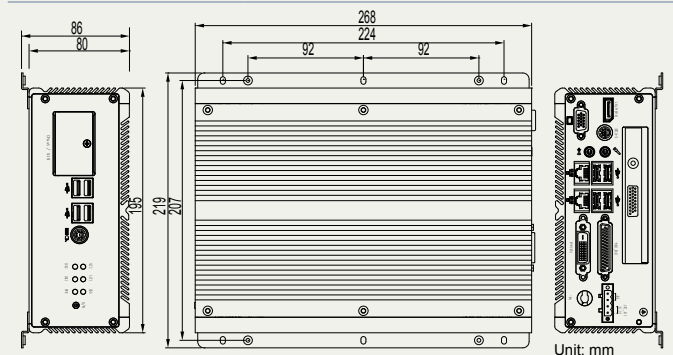
## Storage

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

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

## Drawing



## Ordering Information

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

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