

# FPC-7502

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
- Rugged Design for Shock/Vibration Protection
- Rich Onboard I/O and Expansion Slots (1 x PCIe x1, 1 x PCIe x16, 1 x Mini-card, 1 x SIM Socket)
- Support Various Video Interfaces (Analog RGB, DisplayPort, DVI)
- Support Outside Accessible CFAST Slot
- Support GSM/UMTS, SIM Card for Connection
- Support DDR3 SO-DIMM up to 8GB
- Easy Installation/Maintenance
- Intel® SSD Compatible

## System

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

## I/O

<b>Serial Port</b>	1 x DB-44 female connector Support 4 x RS-232 ports (COM3,4 is RS-232/485 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 1 x DVI
<b>Selectable Port</b>	DVI by default, 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
<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 HSUPA 3.75G (optional Mini-card)
<b>Expansion Bus</b>	1 x PCIe x16 slot w/ riser card 1 x PCIe x1 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)

### Recommended CPU list:

Core™ i7-620M PGA processor 2.66GHz with 4M cache  
Core™ i5-520M PGA processor 2.4GHz with 3M cache  
P4500 1.86GHz with 2M cache

## 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>	120W (Max.)

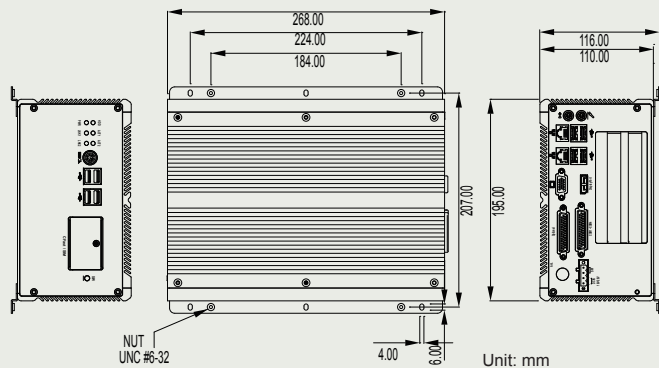
## Storage

<b>Type</b>	2 x 2.5" drive bay for HDD/SSD w/ 9.5mm height limit 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>	4.5 kg ( 9.9 lb)
<b>Dimensions (W x D x H)</b>	195 x 268 x 110 mm (7.68" x 10.55" x 4.33")

## Drawing



## Ordering Information

<b>FPC-7502</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-7XXX
<b>PAC-B120W</b>	120W AC/DC adapter kit
<b>SSD-25080</b>	Intel® 2.5" 80GB SATAII SSD kit
<b>CBL-7100-COM</b>	COM converter cable (1*44-pin male to 4*DB-9 male + 1 x DB-9 female) L=200mm

All specifications are subject to change without notice.