

# FPC-7500

Robust Box PC with Intel® Socket G Core™ i7/i5/Celeron® Platform



## Features

- **Fanless Design**
- Wide Range DC Power Input (10 ~ 28V)
- Serial Port with 5V/12V Power Output
- RS-485 Auto-flow supported
- Various Video Interfaces supported (Analog RGB, DisplayPort, DVI)
- Outside Accessible CFast and SIM Slots supported
- Optional WiFi or HSUPA Wireless Connection supported
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- RAID 0, 1 supported

## System

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>CPU</b>            | Intel® Socket G 1st Generation Core™ i7/i5/Celeron® processors           |
| <b>Memory</b>         | 2 x 204-pin DDR3 SO-DIMM sockets, supporting 800/1066MHz SDRAM up to 8GB |
| <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 GbE controllers                                     |
| <b>Watchdog Timer</b> | 1~255 levels reset                                                       |

## I/O

|                    |                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Serial Port</b> | 4 x RS-232 ports via one DB-44 female connector. (COM3 and COM4 are RS-232/485 configurable.)                       |
| <b>USB Port</b>    | 8 x USB 2.0 ports                                                                                                   |
| <b>LAN</b>         | 2 x RJ-45 ports for GbE                                                                                             |
| <b>Video Port</b>  | 1 x DB-15 female connector for Analog RGB<br>1 x DisplayPort<br>1 x DVI-D female connector for digital video output |

|                        |                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Selectable Port</b> | DVI-D by default, can be changed to DIO or LPT<br>1 x 16-bit digital I/O, 8 in/8 out<br>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<br>1 x PCIe x8 slot                                                                     |
| <b>Expansion Bus</b>   | 1 x Mini-card socket interconnected with SIM card socket for optional WiFi or HSUPA module<br>1 x SIM socket (outside accessible) |

## 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>Operating Humidity</b> | 10 ~ 95% @ 55°C (non-condensing)                       |
| <b>Vibration</b>          | 3 Grms/5~500Hz/random operation                        |
| <b>Shock</b>              | Operating 40G (11ms), Non-operating 60G with CFast/SSD |

## Qualification

|                      |                 |
|----------------------|-----------------|
| <b>Certification</b> | CE, FCC Class A |
|----------------------|-----------------|

## Power Requirement

|                          |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| <b>Power Input</b>       | DC 10~28V input (w/ 4-pin DC input terminal block, combining remote power on/off switch) |
| <b>Power Consumption</b> | Max. 50W (w/o I/O card)                                                                  |

## Storage

|             |                                                                                                             |
|-------------|-------------------------------------------------------------------------------------------------------------|
| <b>Type</b> | 1 or 2 x 2.5" drive bay(s) for HDD/SSD w/ 9.5mm height limit<br>1 x CFast socket, can be outside accessible |
|-------------|-------------------------------------------------------------------------------------------------------------|

## Mechanical

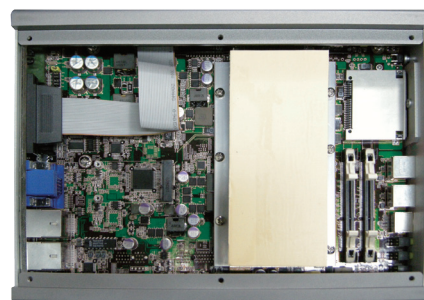
|                               |                                            |
|-------------------------------|--------------------------------------------|
| <b>Construction</b>           | Aluminum alloy                             |
| <b>Mounting</b>               | Wall-mount                                 |
| <b>Weight</b>                 | 4.2 kg (9.24 lb)                           |
| <b>Dimensions (W x D x H)</b> | 195 x 268 x 90 mm (7.68" x 10.55" x 3.54") |

## OS Support

Windows XP Embedded / Windows XP Professional / Windows Embedded 7 Professional / Windows Embedded 7 Standard

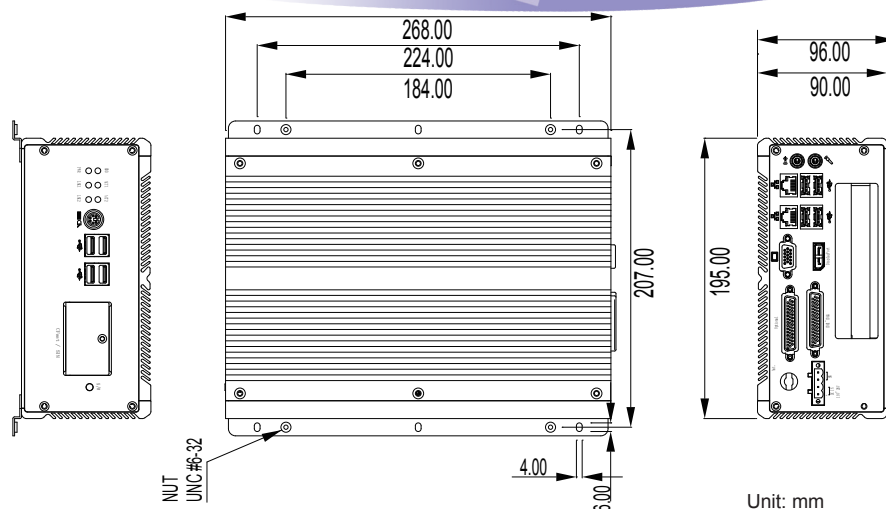
## Ordering Information

|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| <b>FPC-7500</b> | Barebone system w/ 1 x PCIe x8 slot and w/o storage device, CPU and memory |
|-----------------|----------------------------------------------------------------------------|



» Fanless Design

## Dimensions



## Optional Accessories

**PAC-B120W-FSP** 19V/6.32A 120W AC/DC adapter kit



**WMK-7000** Wall-mount kit for FPC-7XXX Series



**CBL-7100-COM** 4 x COM ports converter cable



## Optional Configuration (CTOS\* Kit)

**MK-3C-2G-1** DDR3-1333 2GB SDRAM DIMM1 kit

**MK-3C-2G-2** DDR3-1333 2GB SDRAM DIMM2 kit

**MK-3C-4G-1** DDR3-1333 4GB SDRAM DIMM1 kit

**MK-3C-4G-2** DDR3-1333 4GB SDRAM DIMM2 kit



**80GB SSD** Intel® 2.5" 80GB SATAIII SSD kit



**HSPA-SI1400** HSUPA 3.75G module kit & internal wiring



**WIFI-IN1300** Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm internal wiring



**Core™ i7-620M** Core™ i7-620M 2.66GHz w/ 4M cache

**Core™ i5-520M** Core™ i5-520M 2.4GHz w/ 3M cache



**Celeron® Dual Core P4500** Celeron® Dual Core P4500 1.86GHz w/ 2M cache

**ANT-H11** 1 x 2dBi HSUPA antenna



**ANT-D11** 1 x WiFi dual-band 2.4G/5G antenna

\*CTOS means Configure-to-Order Service.

### » Front-access CFast & SIM for Easy Maintenance



Remove the screw to open the door



Insert the CFast card



Insert the SIM card

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