

# SE-8210

Intel® 3rd Gen. Core™ Mobile i7/ i5/ i3 Fanless and High Performance Embedded PC

## Features



- Intel® 3rd Gen. Core™ mobile i7/ i5/ i3 (rPGA-988) processor
- Intel® QM77/HM76 chipset
- 4 x USB 3.0
- Built-in CFast slot for external storage or system boot up
- Riser card supports 1 x PCIe (x4) or 1 x PCI slot
- Optional 802.11b/g/n Wi-Fi module
- 3 independent displays
- Wide range voltage DC In 9~36V
- Windows 8.1 / Windows 8 / Windows 7 / Windows XP
- RAID 0/1 (QM77 only)



## Specifications



### System

CPU Support	Intel® 3rd Gen. Core™ mobile i7/ i5/ i3 (rPGA-988) processor
Chipset	Intel® QM77/HM76
Memory Support	2 x DDR3 SO-DIMMs, supports DDR3/DDR3L 1600/1333/1066MHz up to 16GB
Watchdog	1~255 seconds Watchdog timer selectable
Drive Bay	2 x 2.5" SATAIII HDDs, support RAID 0/1 (QM77 only) 1 x Slim DVD-ROM (option)
Audio	1 x Line Out / 1 x Mic In
Power Input	DC In 9~36V
Expansion Slots	1 x full size mini PCIe (for WLAN module) 1 x SIM card slot 1 x CFast slot 1 x PCIe (x 4) or 1 x PCI (max 10W) Selectable (slim DVD-ROM) / (PCIe or PCI slot)
System Weight	4.5 kg
Operating System	Windows 8.1 / Windows 8 / Windows XP / Windows 7 / Ubuntu 14.04
Dimensions	260 x 89 x 200 mm (W x H x D)
Certifications	FCC / CE

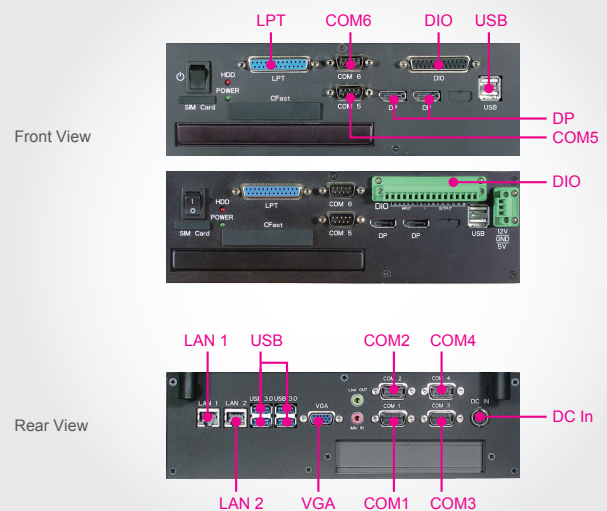
### I/O Ports (Front side)

Display	2 x DPs
USB	2 x USB 2.0
Serial Ports	COM5/6 for RS232
Parallel Port	1 x DSub-25
Digital I/O Port	8 in/8 out, DSub-25 type or 16-pin terminal block with DC Out 12V/5V (1A)
SIM Card	1
CFast Slot	1
Expansion Slots	Slim DVD-ROM (option)

### I/O Ports (Rear side)

Display	1 x VGA
USB	4 x USB 3.0
Audio	1 x Line Out / 1 x Mic In
LAN	2 x GbE LANs, Wake-On-LAN, PXE LAN 1: Intel® 82579LM LAN 2: Intel® 82583V
Serial Ports	COM1/3/4 for RS-232 COM2 for RS-232/422/485, pin-9 5V/12V selectable
Expansion Slots	1 x PCIe (x4) slot 1 x PCI slot
Power Input	DC In 9~36V (DIN type 4-pin connector or 3-pin terminal block)

## System Front View & Rear View



## Environment

Operating Temp. (with airflow)	HDD: 0°C~45°C (32°F~113°F) SSD: 0°C~50°C (32°F~122°F) Wide range temperature CFast: 0°C~55°C (32°F~131°F) w/o audio
Storage Temp.	-20°C~80°C (-4°F~176°F)
Humidity	20%~90%

## Applications

- Automation
- Retail
- Information
- Gaming

\* All information contained in this document is subject to change without prior notice. Please log on [www.protech.com.tw](http://www.protech.com.tw) to acquire latest information. For detail mechanics drawing, please contact our sales.