

# Fanless IPC-7520

(Extreme Rugged, Intel® Core™ i5-520M)



## Features:

- **Wide Operating Temperature (-40 ~ 70°C)**
- Fanless Design
- Wide Range DC Power Input (10 ~ 28V)
- Rugged Design for Shock/Vibration Protection
- **Rich Onboard I/O and Expansion Slots (1x PCI, 1x Mini-Card)**
- Various Video Interfaces (Analog RGB, DVI, Displayport, TV-Out)
- 1x Outside Accessible CF Slot
- **Easy Installation/Maintenance**
- **Support DDR2 SO-DIMM up to 4 GB**



## Options:

- DIN rail mounting kit
- Intel® 2.5" 80 GB SATA II solid state disk - SSD kit
- pre installed operating system
- software service
- other needs on request



All specifications are subject to change without notice.

## Specification

### System

CPU	Intel® Socket G Core™ i5-520M processor
Memory	2 x 204-pin Dual Channels DDR3 SO-DIMM Sockets up to 8GB at 800/1066MHz (2GB WT DDR3-1066 SDRAM installed by default)
Chipset	Intel® QM57
Graphics	Integrated Intel® Graphics controller
ATA	2 x Serial ATA port with 300MB/s HDD transfer rate
LAN Chipset	2 x Intel® WG82574IT Gigabit Ethernet controllers
Watchdog Timer	1~255 levels reset

### I/O

Serial Port	1 x DB-44 female connector, 2 x RS-232 ports + 2 x RS-232/422/485 selectable port
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 Digital I/O or LPT 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
Expansion Bus	1 x PCIe x8 slot w/ riser card 1 x PCIe x1 slot w/ riser card 1 x Mini-card slot 1 x SIM socket

### Environmental

Operating Temp.	-40 ~ 70°C (-40 ~ 158°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 System

Power Input	DC 10V~28V input, 4-pin DC input terminal block with remote power on/off switch
Power Consumption	tbd
Power adapter	120W AC/DC adapter

### 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	tbd
Dimensions (WxDxH)	195 x 268 x 110 mm (7.68" x 10.55" x 4.33")

### Drawing

