

MEC-5007

Industrial Fanless Embedded PC With Core™ i7/i5/i3



Features

- Supports Intel® Core™ i7-620M/i5-520M CPU
- Two 204-pin DDR3 SO-DIMM memory slot, up to 8GB
- 1 x PCI-E x4, 1 x Mini PCI-E
- 4 x RS-232 (COM1 supports RS-232/422/485), 4 x USB 2.0, 1 x CF
- 2 x 10/100/1000Mbps RJ45 port

Specifications

System

Processor	Supports Intel® Core™ i7-620M/i5-520M CPU
Chipset	Intel® QM57 Express chipset
Memory	2 x 204-pin DDR3 800/1066MHz SO-DIMM memory slots up to 8GB
Expansion Interface	1 x Mini PCI-E, 1 x PCI-E x4

Storage

IDE	N/A
CF	1 x CompactFlash Socket Type I/II
Serial ATA	4 x Serial ATA

I/O Interface

USB	4 x USB 2.0
Serial Port	4 x RS-232 (COM1 supports RS-232/422/485)
Parallel Port	N/A
GPIO	4 x bit input, 4 x bit output
Audio	HD Audio (including Mic-in/Line-in/Line-out, front panel)

Display

Chipset	Adopts Intel® Arrandale CPU integrated graphics controller display chip
Memory	256MB shared memory
Resolution	VGA mode: up to 2048 x 1536@75Hz HDMI mode: up to 1920 x 1200@60Hz
Dual Display	VGA+HDMI

Ethernet

Chipset	1 x Intel® 82577LM, 1 x RTL8111D
Speed	2 x 10/100/1000Mbps
Connector	2 x RJ45 (LAN1 supports Wake-On-LAN, LAN PXE booting and AMT6.0 function)

Mechanical and Environmental

Dimensions	290mm (L) x 242mm (W) x 112.5mm (H)
Reliability	MTBF ≥ 50000h; MTTR ≤ 0.5h
Operating Temperature	0°C~45°C
Storage Temperature	-30°C~65°C
Operating Humidity	40°C, 30%~90% (non-condensing)

Power

Power Supply	Wide voltage DC 9V~30V input or adapter with 100~240V AC 50Hz/60Hz input and 19V output
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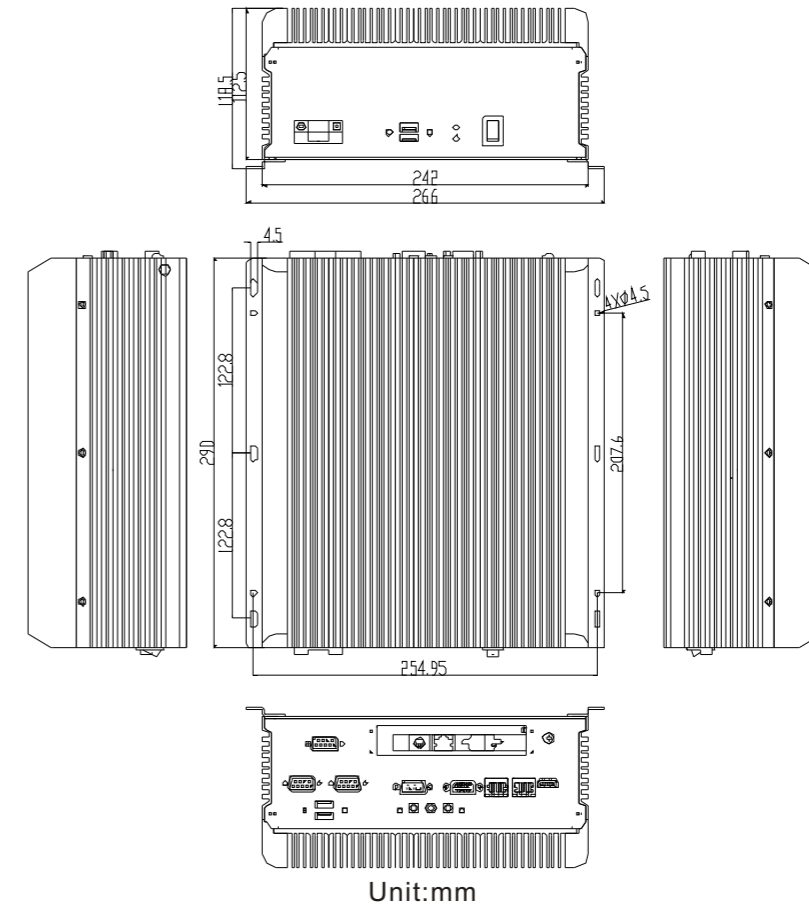
Operating System

Windows OS	Windows XP/Windows 7
Embedded OS	Linux/XP Embedded/Window CE

Test

Vibration	Amplitude 5-19Hz/1.0mm; acceleration 19-200Hz/1.0g
Shock	15g peak acceleration (11ms duration)
EMC/EMI	GB9254-1998 Class A

Dimensions



Unit:mm

Packing List

1 x Power adapter/RoHS (P/N:2100-081231)	
1 x Driver DVD/Chinese and English/RoHS (P/N:2192-013741)	
1 x User Manual/Chinese and English/RoHS (P/N:2413-019301)	

Ordering Information

Part Number	Model Number	Description
0010-039171	MEC-5007-0201	Low consumption fanless Complete PC/ Intel® Core™ i7- 620M 2.66G/2G DDR3/4 x COM /1 x VGA/ 1 x HDMI/2 x 1000Mbps Ethernet /320G HDD/DC9~30V input/120W adapter
0010-039181	MEC-5007-0202	Low consumption fanless Complete PC/ Intel® Core™ i7- 520M 2.40G/2G DDR3/4 x COM /1 x VGA/ 1xHDMI/2 x 1000Mbps Ethernet /320G HDD/DC9~30V input/120W adapter