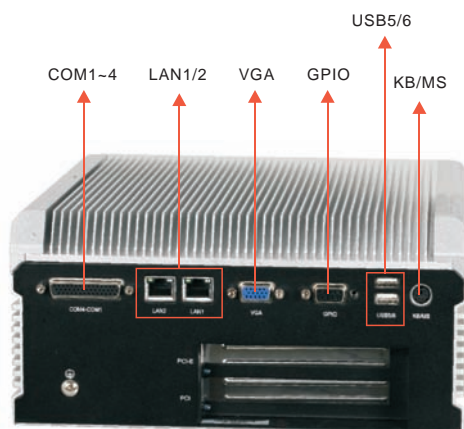


# MEC-5004-02

Industrial Fanless Dual-core Embedded PC



1  
PICMG

2  
SBC & SoM

3  
CompactPCI

4  
Network

5  
BoxPC & Special IPC



## Features

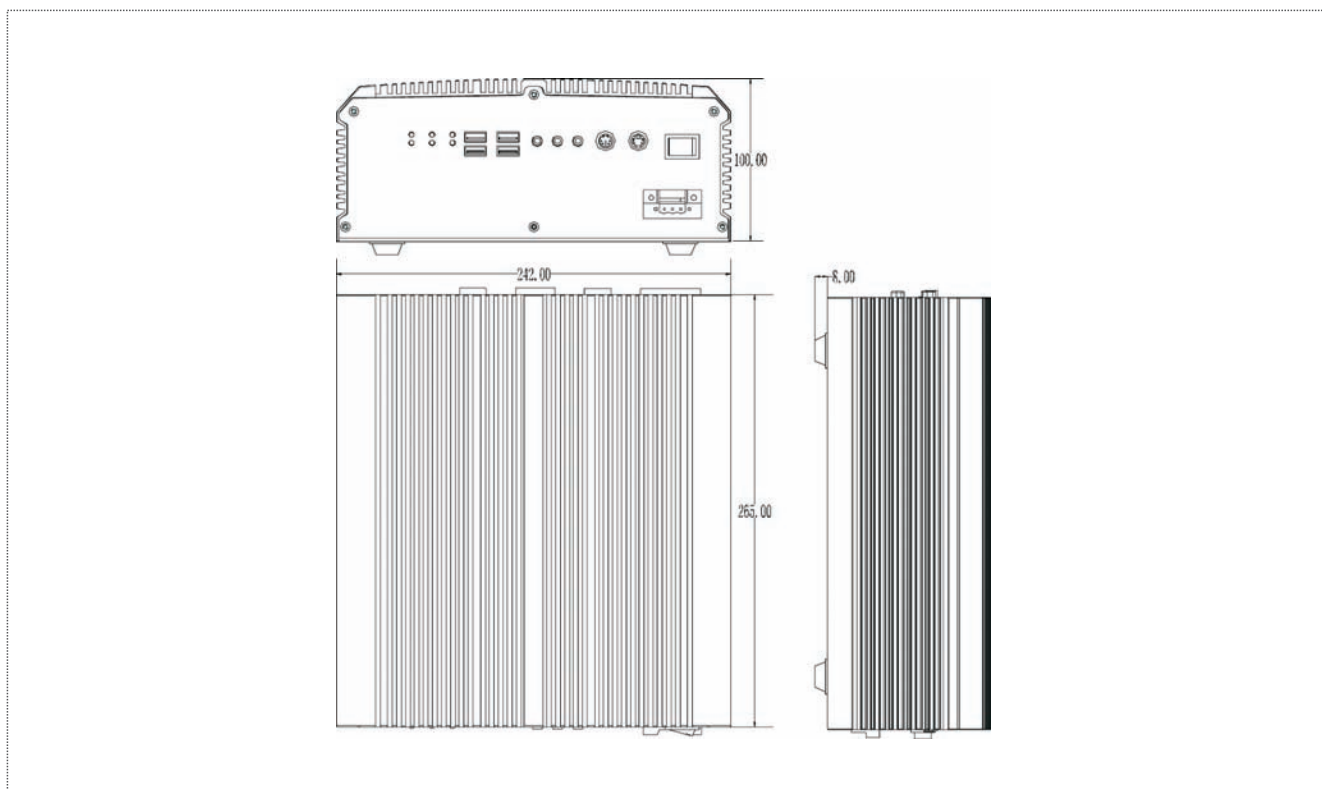
- Onboard Intel® Core™2 Duo L7500(1.6G) processor
- 1 x 200-pin SODIMM, up to 2GB
- 1 x PCI, 1 x PCI-E x4
- 5 x RS-232 (COM1 supports RS-232/422/485), 6 x USB 2.0
- 2 x 10/100/1000Mbps RJ45 port

## Specifications

System	
Processor	Onboard Intel® Core™2 Duo L7500 (1.6G) processor
Chipset	Intel® GM965 + ICH8M-E
Memory	1 x 200-pin SODIMM, standard 1GB DDRII memory up to 2GB
Expansion Interface	1 x PCI, 1 x PCI-E x4
Storage	
IDE	N/A
Serial ATA	2 x Serial ATA150MB/S interface
Floppy	N/A
CF	1 x CompactFlash Socket Type I/II(optional)
DOC/DOM	N/A
I/O Interface	
USB	6 x USB2.0
Serial Port	5 x RS-232 (COM1 supports RS-232/422/485)
Parallel Port	N/A
IrDA	N/A
GPIO	8 x digital I/O interface
Audio	Line-in, Speaker-out and Mic-in
Display	
Chipset	Intel® GM965 integrated, supporting VGA, DVI, S-Video
Memory	256MB shared memory
Resolution	VGA mode up to 2048 x 1536@75Hz
Dual Display	Supports VGA + DVI dual display

Ethernet	
Chipset	Intel® 82566MC + Realtek RTL8111C
Speed	2 x 10/100/1000Mbps
Connector	2 x RJ 45
Mechanical and Environmental	
Dimensions	242mm (W) x 265mm (D) x 100mm (H)
Reliability	MTBF ≥ 50000h; MTTR ≤ 0.5h
Operating Temperature	-10℃~55℃
Storage Temperature	-40℃~60℃
Operating Humidity	RH=93% (non-condensing)
Power	
Power Supply	Wide voltage DC 9V ~ 36V/DC 12V dual-input, redundant power supply
Power Consumption	N/A
Operating System	
Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux/XP Embedded/Window CE
Test	
Vibration	Amplitude 5-19Hz/1.2mm; acceleration 19-200Hz/1.2g
Shock	15g peak acceleration(11ms duration)
EMC/EMI	GB9254-1998 Class A

## Dimensions



## Optional Accessories

Part Number	Name	Description	Qty.
1100-001720	Power adapter /RoHS	120W/FSP120-AAB/ 3P female HW035050000AG	1
2192-006771	Driver CD/Protective film/RoHS	MEC-5004 Long March series	1

## Ordering Information

Part Number	Model Number	Description
0010-014250	MEC-5004-02	Complete PC: Core™ 2 Duo L7500 EDB-COM04/MEC-5004 empty chassis/160G SATA/COM-1812LDNA

1  
PICMG

2  
SBC & SoM

3  
CompactPCI

4  
Network

5  
BoxPC & Special IPC

6  
HMI & TablePC

7  
Rugged Series