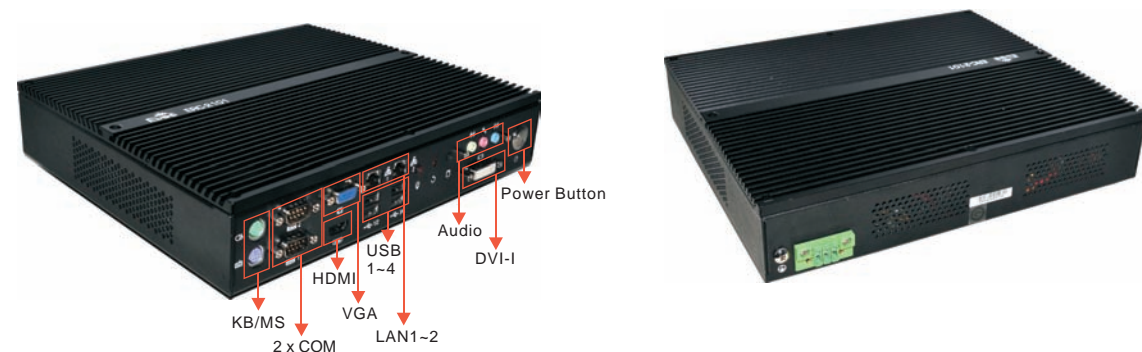


# ERC-2101

Fanless PC with P8400 or C-575 CPU/VGA/DVI/HDMI/2LAN



KB/MS  
2 x COM  
HDMI  
VGA  
LAN1-2  
USB 1-4  
Audio  
DVI-I  
Power Button

1

PICMG

2

SBC & SoM

3

CompactPCI

4

Network

5

BoxPC & Special IPC



## Features

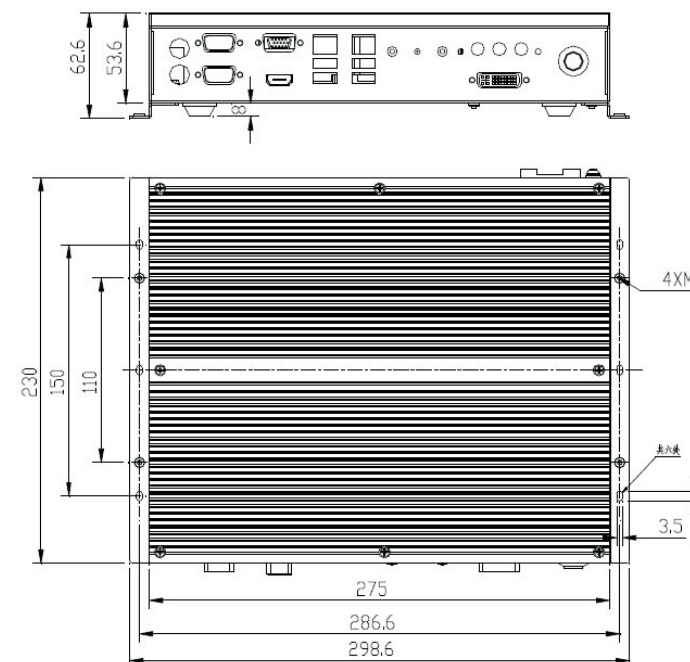
- Optional Intel® Core™ 2 Duo P8400 (Penryn)/Intel® Celeron® M 575 (Merom) CPU
- Supports 2 x 200-pin DDRII SO-DIMM memory slot, up to 4GB
- Supports 2 x 10/100/1000Mbps RJ45 port (LAN1 can support Wake-On-LAN function)
- Supports VGA, DVI, HDMI display
- Fanless design

## Specifications

System	
SBC Model	EC7-1814L2NA-ERC
Processor	Optional Intel® Core™ 2 Duo P8400(Penryn) / Intel® Celeron® M 575 (Merom)CPU
Chipset	Intel® GM45/GL40 + ICH9M
Memory	Supports 2 x 200-pin DDRII SO-DIMM memory slot up to 4GB
Expansion Interface	1 x Mini PCI-E slot
Storage	
IDE	N/A
Serial ATA	4 x Serial ATA300MB/S interface, standard configuration with one 2.5" 250G hard disk
Floppy	N/A
CF	N/A
I/O Interface	
USB	4 x USB2.0 port
Serial Port	2 x RS-232 (COM2 supports RS232/422/485 mode selection)
Parallel Port	N/A
IrDA	N/A
GPIO	4 x Digital Input, 4 x Digital Output
Audio	Support HAD, available interfaces of Mic-In, Line-In and Line-Out
Display	
Chipset	Intel®GM45/GL40 integrated graphics
Memory	256MB shared memory
Resolution	VGA mode up to 2048 x 1536@75Hz
Dual Display	Supports VGA, DVI, HDMI display

Ethernet	
Chipset	RTL8111D
Speed	2 x 10/100/1000Mbps
Connector	2 x RJ45
Mechanical and Environmental	
Dimensions	298.6mm (L) x 230mm (W) x 53.6mm (H)
Reliability	MTBF ≥ 50000h; MTTR ≤ 0.5h
Weight	4KG
Safety	GB4943
Operating Temperature	0°C~45°C
Storage Temperature	-20°C~80°C
Operating Humidity	95%, 40°C non-condensing
Power	
Power Supply	The box PC has built-in DC-DC wide voltage input power module as well as standard configuration AC-DC adapter
Power Consumption	Input voltage/frequency: 9 ~ 36VDC(total power consumption: 120W (Max)); power type: AC-DC adapter (total power consumption: 96W (Max))
Operating System	
Windows OS	Windows 2000/Windows XP
Embedded OS	Linux/XP Embedded
Test	
Vibration	5-19Hz/1.0mm amplitude; 5-200Hz/1.0g acceleration
Shock	10g acceleration, 11ms duration
EMC/EMI	GB9254-1998 Class A

## Dimensions



Unit: mm

## Optional Accessories

Part Number	Name	Description	Qty.
2192-011961	Driver DVD/protective film/RoHS	ERC-2101 VER : C00	1
2100-081231	Power adapter/FSP/RoHS	90W/ FSP090-DMAB1/single 19 output/4pin	1

## Ordering Information

Part Number	Model Number	Description
0010-027681	ERC-2101-0101	ERC-2101-0101/EC7-1814L2NA-ERC/fanless/P8400/2GB/250GB
0010-027691	ERC-2101-0102	ERC-2101-0102/EC7-1814L2NA-ERC/C-575/2GB/250GB
0010-027701	ERC-2101-0103	ERC-2101-0103/EC7-1814L2NAT-ERC/C-575/2GB/250GB

1

PICMG

2

SBC & SoM

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CompactPCI

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Network

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BoxPC & Special IPC

6

HMI & TablePC

7

Rugged Series