

# ECK-161B

Intel® Core™2 Duo Fanless Embedded System with one PCI slot

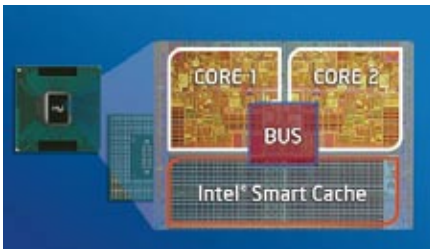


## Features

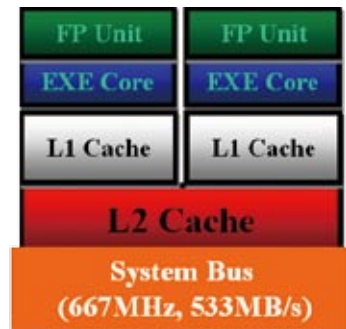
- ◆ Intel® Core™2 Duo Fanless design support up to T7400
- ◆ 1 x PCI expansion slot with max. 155 mm card length
- ◆ VGA + HDTV display interface with HD audio support
- ◆ Peripheral expansion includes six USB ports and four serial ports
- ◆ 9 VDC - 36 VDC power input



## Dual-Core Intel Processor Benefits



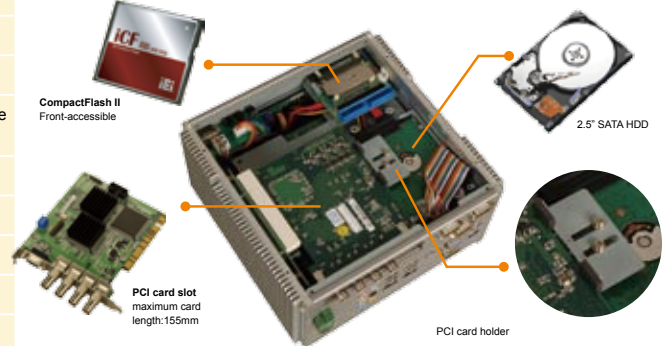
- Two physical cores in a package to share system load
- Each with its own L1 cache and share the L2 cache to enhance processing speed
- Each with its own execution resources with truly parallel multi-tasking and threaded execution. Increased throughput.



## Specifications

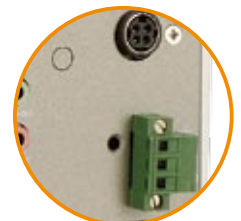
Processor	Intel® Core™ Duo 1.66GHz, 2MB L2 cache, processor T2300E Intel® Celeron® M 1.86GHz 1MB L2 cache, processor 440
Chipset	Intel® 945GM+ICH7M
System Memory	1 GB DDR2 SDRAM pre-installed
Ethernet	2 x PCIe Broadcom GbE
Display	CRT/TV-out interface integrated in 945GM, with one VGA and one 7-pin mini DIN port
USB	6 x USB 2.0
Serial Port	4 x RS-232
Audio	7.1 channel HD audio
PS/2	1 x KB / 1 x MS
Expansions slot	1 x PCI
Storage	1 x 2.5" SATA HDD capacity 1 x CompactFlash slot, front-accessible
Power Input	12 VDC in with 4pin mini-DIN 9 VDC - 36 VDC input by terminal block
Chassis Construction	Aluminum alloy with heavy duty metal
Operating Temperature	0~40°C- consumer hard drive 0~50°C- automotive hard drive / CompactFlash™ disk
Weight (Net/Gross)	4.1 kg / 6 kg
Dimensions (D x W x H)	222.2 mm x 210.2 mm x 99.49 mm
Mounting	Wall mount
EMC/Safety	CE, FCC class A

## Storage & Expansion



## Wide Range DC Power Input

ECK-161B can take any DC input voltage from 9V to 36V. It has two input interfaces: 3-pin terminal block or 4-pin mini DIN jack.



## Powerful yet Fanless



80% of the enclosure of the ECK-161B is made of extruded Aluminum alloy fins. By using these parts directly as the system cooler, the ECK-161B can operate fanless at under 40°C\*.

\* The operating temperature test as per IEC-68-2-3.

**\*Operating Temperature :** with Intel® Core™2 Duo 2.16 GHz  
 0~50°C with CompactFlash™ disk / automotive hard drive  
 0~40°C with consumer hard drive

## Dual Display & HD Audio



**VGA Port**  
 CRT interface



**TV-out Port**  
 • Supports S-Video, Component and Composite video signal output  
 • Component output up to 1080i/1080p

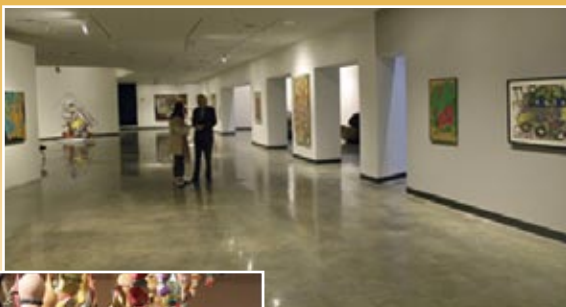


**HD audio**  
 • 7.1 channel high definition audio entertainment  
 • Supports two independent audio output streams

## Interactive Multimedia Art Empowered by ECK-161



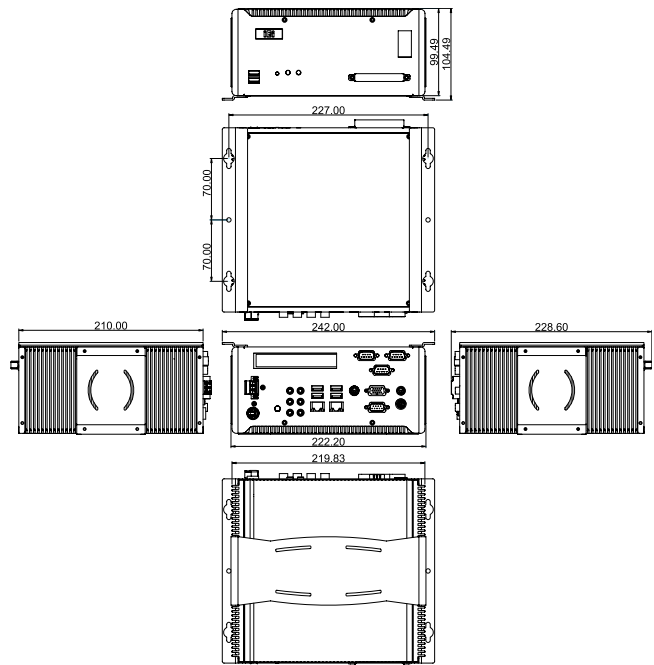
- Requires absolute quiet exhibiting space
- High definition graphic performance shows the true beauty
- Excellent CPU power for real time interactive computing
- Dual display or multi display for single art work



## Packing List

1 x QIG	1 x Screw set
2 x Mounting brackets	1 x Power cord
1 x Power adaptor	1 x Manual CD
1 x Driver CD	

## Dimensions unit: mm



## Ordering Information

Part No.	Description
ECK-161BSF-WD/T2300E/1GB	Fanless embedded system with one PCI slot, Intel® Core™ Duo 1.66 GHz 2 MB L2 cache, processor T2300E, Intel® 945GM with ICH7M, 1 GB DDR2 memory, 9~36 VDC in, 120 W AC power supply, silver, RoHS
ECK-161BSF-WD/CM440/1GB	Fanless embedded system with one PCI slot, Intel® Celeron® M 1.86 GHz 1 MB L2 cache, processor 440, Intel® 945GM with ICH7M, 1 GB DDR2 memory, 9~36 VDC in, 120 W AC power supply, silver, RoHS