

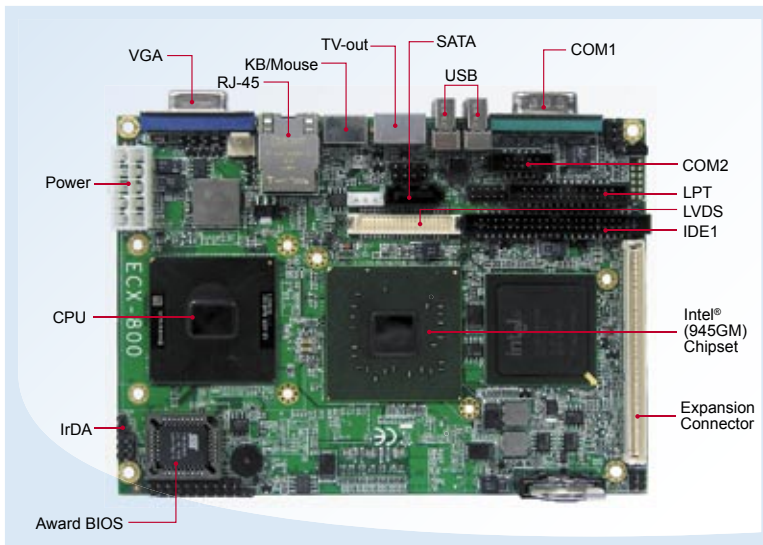
# ECX SBCs



# ECX800 **NEW**

Intel® Core™ Duo ECX SBC w/ Mobile Intel® 945GM Express Chipset

Intel® Core™ Duo-Based



## >> Features

- Supports Intel® Core™ Duo processors  
Up to 1.66GHz, 533MHz/667MHz FSB
- DDR2 SO-DIMM x 1, Max. 2GB
- Integrated VGA, supports CRT and TV out
- Marvell 88E8053 PCI Express Gigabit LAN
- 1 x SATA, 4 x USB 2.0, Digital I/O, CF socket
- 1 x PCI, 1 x PCI-E(x1), 1 x LPC, 1 x SDVO  
(Region C, Type III)

## System

CPU	Intel® Core™ Duo, up to 1.66GHz (BGA CPU on board or mPGA 478 socket)
System Memory	DDR2 SO-DIMM x 1, Max. 2GB
System Chipset	Mobile Intel® 945GM Express + ICH7M, 533MHz/667MHz FSB
BIOS	Award 4Mbit
Watchdog Timer	256 levels
SSD	Type II CF socket
H/W Monitor	Yes
Expansion Slot	1 PCI, 1 PCI-E(x1), 1 LPC, 1 SDVO (Region C, Type III)

## Graphics

VGA Controller	Mobile Intel® 945GM Express integrated, supports CRT/S-VIDEO
VGA Memory	Shared memory Max. 224MB
LCD Interface	Supports 18+18 bits, single or dual channel LVDS

## Ethernet

Controller	Marvell 88E8053 PCI Express Gigabit LAN
Connector	RJ-45 on board

## Multi I/O

Chipset	W83627EHF 1x IDE (UDMA33/66/100), 1x FDD, 1x KB, 1x Mouse, 1x LPT, 2x RS-232, 1x SATA
USB	4 ports on board (USB 2.0)
Audio	ICH7M Built-in audio + AC97 codec, SPDIF-OUT
Others	IrDA, TV out, Digital I/O (4-in/4-out)

## Mechanical and Environmental

Dimensions	105mm x 146mm (4.13" x 5.75")
Max. Power Requirement	Intel® Core™ Duo 1.66GHz w/ 1GB DDR2 +3.3V: 1.54A +5V: 1.86A +12V: 1.15A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-68°F~176°F)
Relative Humidity	10%~90% (non-condensing)

## Ordering Information

ECX800	Mobile Intel® 945GM Express ECX SBC w/ VGA and Gigabit Ethernet
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Remarks:

\* Add (-R) after the model name for RoHS-compliant version when ordering.

Disk-Size SBCs

For user's manual & datasheet download, visit [www.ibase.com.tw](http://www.ibase.com.tw)