



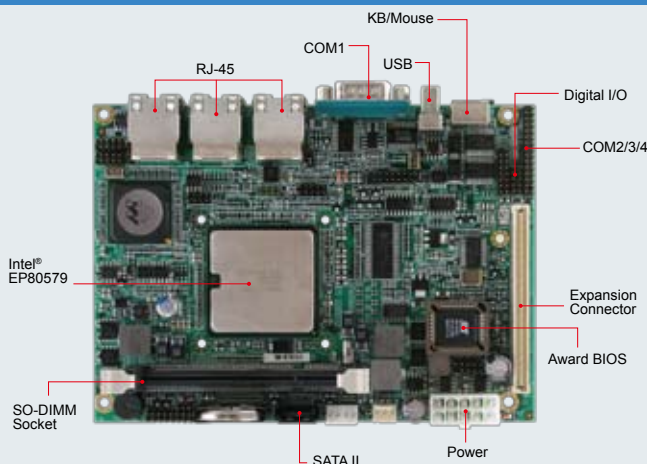
# Disk-Size SBCs

Intel® EP80579-Based

Intel® EP80579 Integrated ECX Single Board Computer

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## ECX810



### Features

- Supports Intel® EP80579 integrated processor, 600MHz/1.06GHz speed, 400/533MHz FSB
- 1x DDR2 SO-DIMM, Max. 2GB
- Supports LVDS optional XGI Z11 2D VGA, CRT
- 3x Intel® integrated Gigabit LAN
- Watchdog timer, Digital I/O
- 1x SATAII, 1x USB 2.0, 4x COM, 1x CF socket
- Optional 1x IEEE1588, 2x CAN Bus interface

### System

CPU	Intel® EP80579 Integrated Processor, 600MHz/1.06GHz
System Memory	1x DDR2 SO-DIMM, 400/533/667/800MHz, Max. 2GB
System Chipset	Intel® EP80579 integrated
BIOS	Award
Watchdog Timer	256 levels
SSD	Type II CF socket
H/W Monitor	Yes
Expansion Slots	XGI VGA daughter board connector

### Graphics

VGA Controller	XGI Z11 2D accelerator, 1600x1200, supports CRT via ID810 daughter board
VGA Memory	DDR2, 32M SDRAM
Display Interface	Optional 18-bit single channel LVDS

### Ethernet

Controller	Integrated three Gigabit LAN transceiver with RGMII interface
Connector	3x RJ-45 on board

### Multi I/O

Chipset	Intel® EP80579, Winbond W83627EHG, 1x CF, 1x KB/mouse (Y-cable), 4x RS232, 1x SATA II, 1x USB
USB	1 port on board (another port reserved for audio)
Audio	TI USB audio codec TI PCM2902 (Line-out)
Others	Digital I/O (4-in/4-out), optional IEEE1588, CAN Bus (two CAN 2.0b interface)

### Mechanical and Environmental

Dimensions	105mm x 146mm (4.13" x 5.75")
Max. Power Requirement	Intel® EP80579 1.2GHz w/ 2GB DDR2-800 +12V: 0.37A +5V: 3.78A +3.3V: 2.69A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-10°C~75°C (-14°F~167°F)
Relative Humidity	10%~90% (non-condensing)

### Ordering Information

ECX810-06	Intel® EP80579, 600MHz ECX SBC w/ 3x Gigabit LAN
ECX810-10	Intel® EP80579, 1.06GHz ECX SBC w/ 3x Gigabit LAN
IB45	Cable kit for ECX810 series, w/ PS/2, SATA, COM, VGA and power cable
ID810	VGA/CRT daughter board
ID810L	LVDS daughter board
ID820	Audio daughter board
ASB200-810	Aluminum System with ECX810 ECX SBC Board, Intel® EP80579 (600MHz) CPU, 2GB DDR2, 2.5" 80GB HDD, 80W power adaptor

Remarks:  
\* Specifications are subject to change without prior notice.