



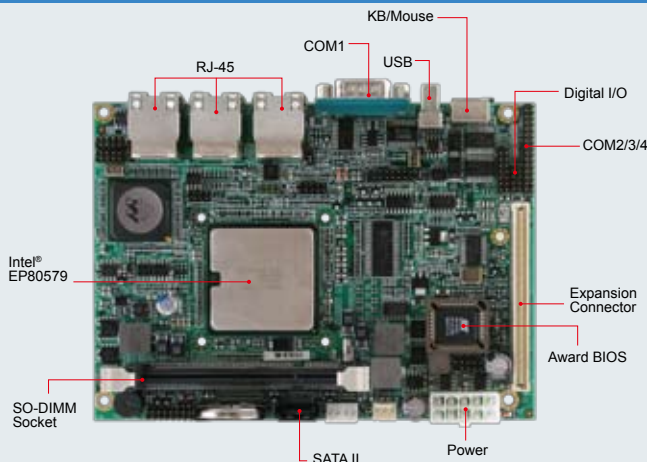
Disk-Size SBCs

Intel® EP80579-Based

Intel® EP80579 Integrated ECX Single Board Computer

- 1 Motherboards
- 2 Disk-Size SBCs
- 3 CPU Modules
- 4 PC/104 Plus
- 5 CPU Card
- 6 Embedded Systems
- 7 Network Security Appliance

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.