

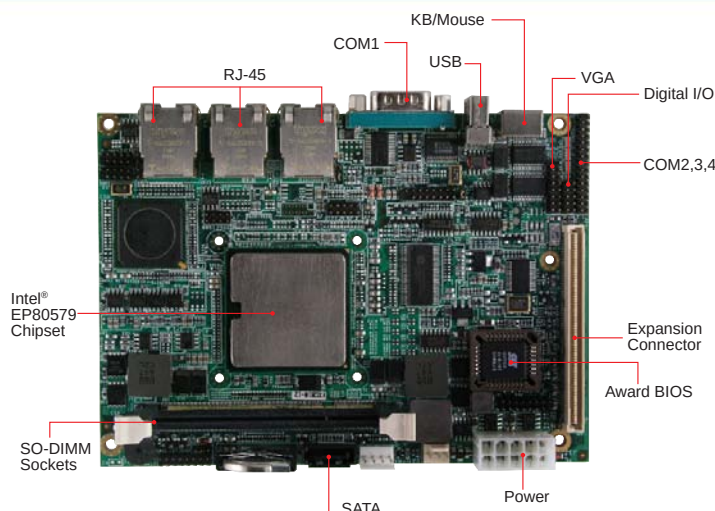
Disk-Size SBCs

ECX810

ECX SBC

Intel® SOC Tolapai ECX Single Board Computer

Intel® Tolapai-Based



System

CPU	Intel® Tolapai processor, 600MHz~1.2GHz
System Memory	DDR2 SO-DIMM x1, Max. 1GB, single channel
System Chipset	Intel® Tolapai
BIOS	Award
Watchdog Timer	256 levels
SSD	Type II CF Socket
H/W Monitor	Yes
Expansion Slot	Region C Type II for XGI daughter board connection

Graphics

VGA Controller	Optional XGI Z11 2D/3D Accelerator, 1600x1200VMT Slim VGA connector (ID810 for XGI daughter board connection)
VGA Memory	DDR2, 32M (16Mx16), SDRAM
LVDS Interface	18-bit single channel LVDS interface

Ethernet

Controller	Integrated three Gigabit LAN transceiver with RGMII interface
Connector	3x RJ-45 edge connector

Multi I/O

Chipset	Winbond W83627EHG, 1x CF (SATA to PATA), 1x KB/Mouse (Y-cable), 4x RS232, 1x SATAII, 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, Optional IEEE1588, CAN Bus (two CAN 2.0b interface)

Features

- Supports Intel® SOC Tolapai processors 600MHz~1.2GHz speed, 400/533MHz FSB
- DDR2 SO-DIMM x1, Max. 1GB memory
- Optional XGI Z11 2D/3D VGA, CRT & LVDS support
- Intel® integrated three Gigabit LAN MACs +PHY with RJ-45 x3
- Watchdog timer, Digital I/O,
- 1x SATAII, 1x USB 2.0, 4x COM, 1x CF Socket
- Optional 1x IEEE1588, 2x CAN Bus interface

Mechanical and Environmental

Dimensions	105mm x 146mm (4.13" x 5.75")
Max. Power Requirement	TBC
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Information

ECX810	Intel® Tolapai ECX SBC w/ 3x RJ45, VGA, LVDS, SATA, USB IEEE1588, CAN Bus
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