

AEPCi8026

Intel EP80579 CPU Board

Endowed with an SoC (System on Chip) EP80579 that integrates various functions

ECC-capable DDR2 SO-RDIMM (Max. 2GB)

SXGA (1280×1024) graphics

10/100/1000 BASE-T Ethernet ×3

SATA Interface ×2

PMC slot ×1

Serial port ×1

USB Interface ×2

System slot and Peripheral slot capable



A6pci8026

Intel EP80579 CompactPCI 6U CPU Board

Overview

The A6pci8026 is a CompactPCI bus-compatible 6U size CPU board equipped with Intel EP80579.

Intel EP80579 is a SoC (System on Chip) that integrates various functions including the memory controller and I/O controller into the CPU core.

The CPU core is a PentiumM processor running at 1.2 GHz.

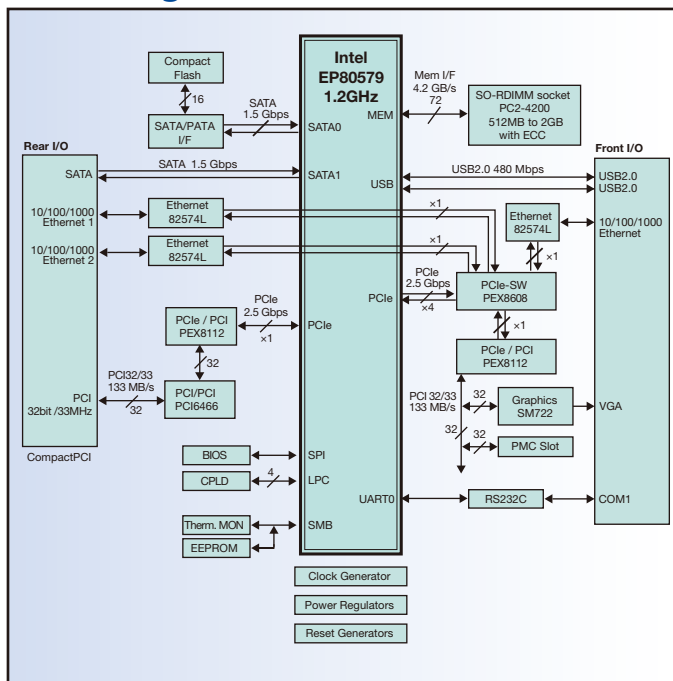
The A6pci8026 incorporates 2GB of PC2-4200-compatible SO-RDIMM main memory that supports the ECC capable of automatic correction of bit error (one out of 72 bits).

Coupled with the CompactPCI that is compatible with the system slot and peripheral slot, this CPU board has two Gigabit Ethernet ports, and one serial ATA port on the Rear I/O.

The A6pci8026 is also equipped with one CompactFLASH slot, and one PMC slot on board. And it is equipped with one Serial port, one Gigabit Ethernet port, one VGA port, and two USB2.0 ports on the front panel.



Block Diagram



Specifications

CPU	Processor	Intel EP80579 Integrated Processor
	Operating Clock	1.2GHz
	L1 Cache	32kB for Data and 32kB for Instruction
	L2 Cache	256kB
Memory	Main Memory	DDR2-533 SDRAM SO-RDIMM up to 2GB, ECC support
	Boot ROM	2MB SPI Flash
	Serial EEPROM	2kb I2C EEPROM
Front panel I/O	Graphics	SXGA (1280x1024)
	Ethernet	10/100/1000 BASE-T x1
	Serial port	TIA/EIA-232E specification, asynchronous (Dsub 9pin) x1
	USB	USB 2.0 x2
Onboard I/O	CompactFLASH	CF+ and CompactFLASH Specification Rev2.1 (CompactFLASH is optional)
	PMC	32bit, 33MHz VIO=3.3V Single Size x1
Rear I/O	Compliant Spec.	PICMG 2.16 R1.0 Specification
	Ethernet	10/100/1000 BASE-T x2
	Serial ATA	SerialATA1.0a x1
CompactPCI	Compliant Spec.	PICMG 2.0 R3.0 Specifications
	Type of Board	System/Peripheral Slot, Universal mode
	PCI bus	32bit/33MHz, VIO=5/3.3V
Power Supply		DC5.0V
Consumption current		TBD
Board size		6U, single slot

Please consult us regarding your specific custom requirements

Note: The following specifications and product appearance are subject to change for enhancement without notice.