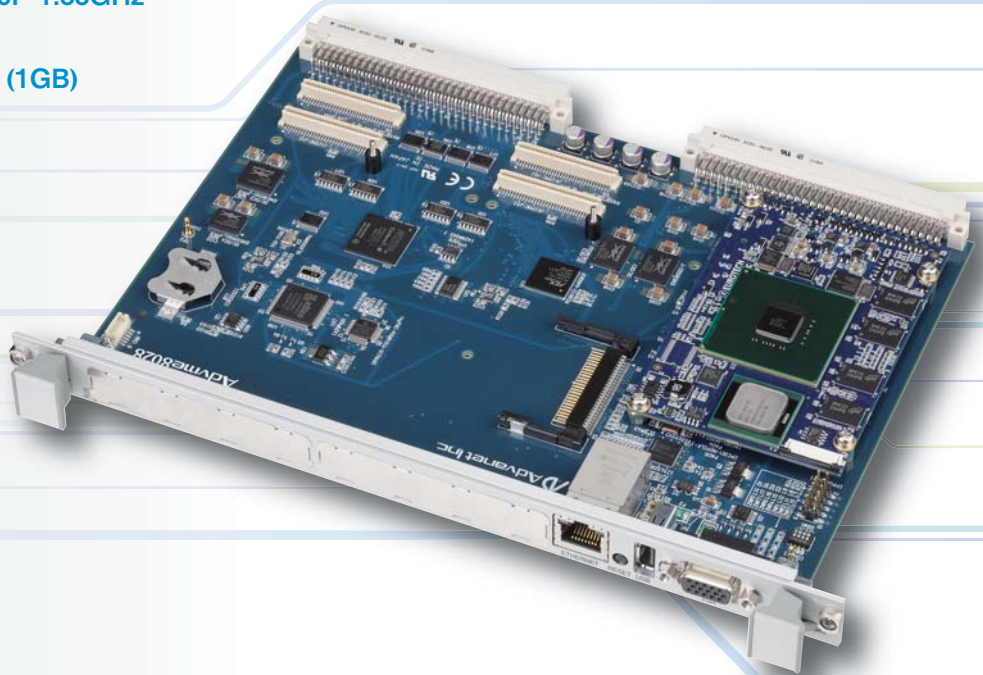# Advme8028

Intel® Atom™ processor Z520P 1.33GHz
Low power consumption
On-board DDR2-533 SDRAM (1GB)
 for main memory
Gigabit Ethernet 1port
CompactFlash socket 1port
32bit/33MHz PMC slot 2port

FEATURES

- **Intel® Atom™ processor Z520P 1.33GHz**
- **Low power consumption**
- **On-board DDR2-533 SDRAM (1GB)**
  for main memory
- **Gigabit Ethernet 1port**
- **CompactFlash socket 1port**
- **32bit/33MHz PMC slot 2port**
- **Support OS : VxWorks,Linux**

The Advme8028 is a 6U VME bus single board computer based intel® Atom™ processor.

Equipped with 2 PMC slots, the Advme8028 is able to expand its I/O with a combination of various PMC modules. GigabitEthernet, VGA, and USB are available on the front panel. It has an on-board CF slot which can be used for OS booting and storage.

There is an option which extend two COM-ports in the front panel. But, in that case, the number of available PMC slots becomes one.
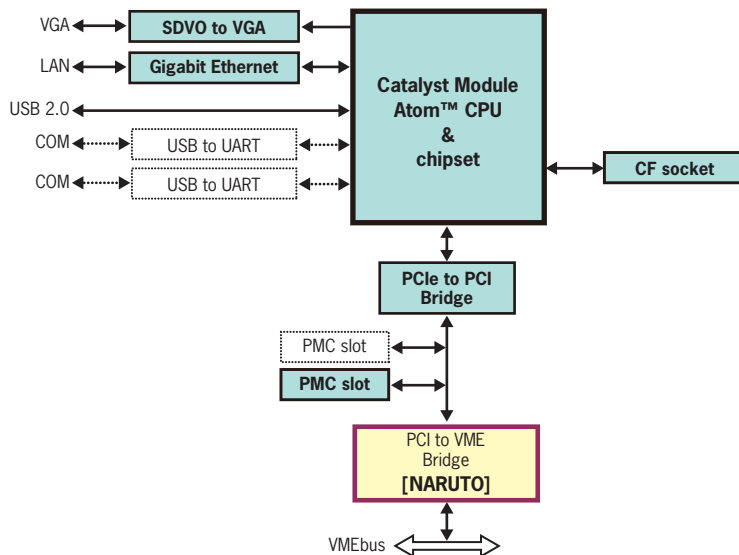
CE

RoHS
RoHS対応

EUROTECH
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Intel® Atom™ processor 6U VME bus CPU Board

Specifications

CPU	Processor	Intel® Atom™ Z520P 1.33GHz −40-85℃
	L1 cache	24kB for data / 32kB for instruction
	L2 cache	512kB for data and instructions
Memory	Main Memory	DDR2-533 Memory capacity 1GB
	Boot ROM	FWH-FLASH memory On board implementation
	Serial EEPROM	2kbit
Front panel I/O	Ethernet	10/100/1000 BASE-T 1port
	USB	USB 2.0 1port
	Graphics	VGA 1port
	PMC slot	PMC slot 2port or PMC slot 1port and COM port 2port
Onboard I/O	CompactFlash	CF+ and CompactFlash Rev2.1 standards 1port (No CompactFlash installed)
VME bus	Standard	VME bus Rev.C.3
	Compatility	A32,A24,A16/D32,D16,D08(EO)
	Functions	System controller, Interrupt handler
	Bus bridge	NARUTO PCI/VME bus bridge
PCI bus(PMC)		32bit 33MHz VIO=3.3V
Power Supply		DC5.0V±5% (supplied by VMEbus)
Consumption current		1.6A (typ.)
Form Factor		6U size, Single Slot
Environmental	RoHS	Compliant

*CompactFlash is not included

Block Diagram

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