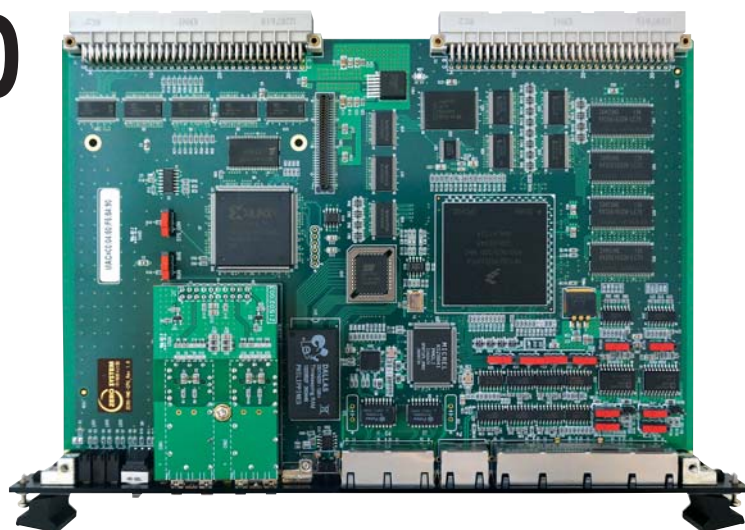


ZVME-CPU8270

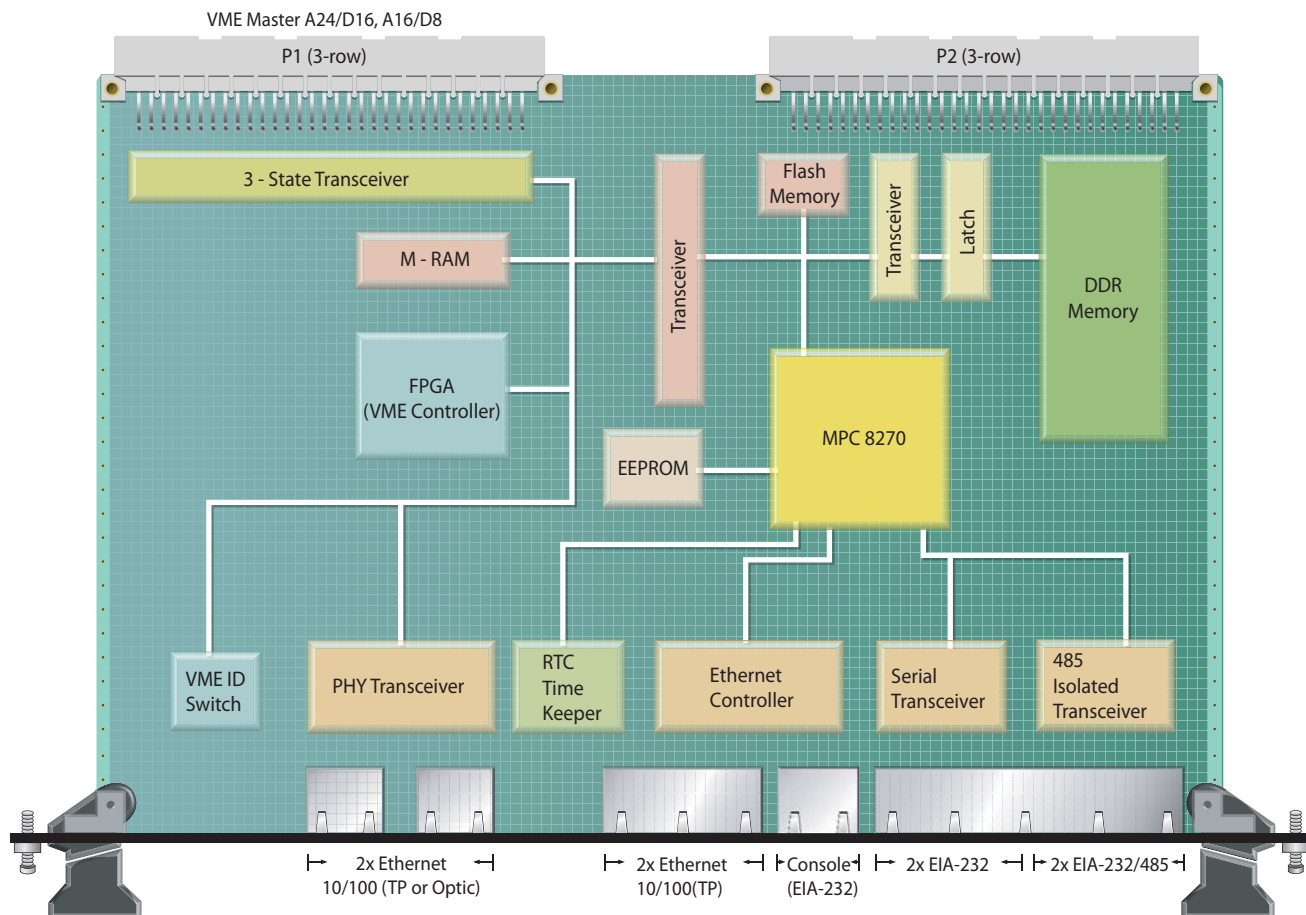
6U VME High Performance PowerPC Computer

- Up to 450MHz Freescale 603e Core MPC8270 base platform
- IEEE 1588 PTP Support function capability
- Optional ethernet TP or Optic modules
- Support for extensible M-RAM non-volatile memory modules
- Linux and VxWorks 5.x Support
- Air and conduction-Cooled releases
- Operating from -40°C to +85°C

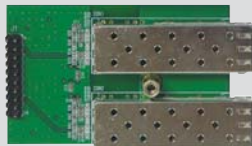


Technical Information

System Processor and Chipset	
Processor	Freescale MPC8270 603e Core PowerPC Processor operating from 266Mhz up to 450Mhz
Cache Structure	Cache: 16 KB Data + 16 KB Instruction
Ethernet Controller	4x 10/100 Mbps Ethernet/IEEE@802.3 networks controllers
Memory Controller	Integrated Synchronous DRAM controller with ECC support, up to 166 MHz, 32-bit
UARTs	4x UART, 16550-style, 4-wire, integrated in MPC8270
Memory	
System Memory	Up to 128MB SDRAM up to 166 MHz, 32-bit wide + ECC, soldered
Flash Memory	NOR flash Up to 32MB Flash
NVRAM	NVRAM 512 KB of M-RAM
EEPROM	EEPROM 512 KB soldered for Boot loader
Onboard Controllers	
Watchdog	Watchdog timer with programmable timeout
RTC	Time keeper DS1742W-120 from DALLAS
Ethernet PHY	Ethernet DP83620 PHY, Low-power Single ethernet transceiver
IEEE 1588	Ethernet DP83630 PHY, Ethernet transceiver with PTP
VME Controller	VME Master controller via FPGA IP
Extension	
Communication Carrier board	Ethernet carrier board supported for two options (Twisted Pair or Fiber optic)
Extensible M-RAM Module	Magnetoresistive random-access memory module (from 2MB up to 8MB) for local-bus extension
Front Panel Interfaces	
Ethernet	4x 10/100BASE-TX on RJ-45 connectors
Serial Port	1 EIA-232 UART interface, 4x EIA-485/232 on RJ-45 connectors
Reset	Reset button
Software	
VxWorks	Real time operating system VxWorks 5.x Board support package
Bootloader	Uboot Firmware 1.3.3 release
Linux	Operating system board support package



Communication Carrier Board



Fiber Optic Module



TP (Twisted Pair Module)

Magnetic Memory Module



2MB



8MB

Ordering Information

Items	Order Code	Description
Main Board Comm. options	ZVME CPU8270-TP	ZVME CPU8270 with dual TP Ethernet connection
	ZVME CPU8270-OPTIC	ZVME CPU8270 with dual Optical fiber ethernet connection
Memory Module	ZVME-MRAM-2MB/4MB	Magnetoresistive RAM (2MB/4MB)
	ZVME-MRAM-8MB	Magnetoresistive RAM (8MB)

ZVME CPU 8270 REV1.0 options : Make your choice!

- Processor : MPC8270
 - CPU frequency : 266MHz, 333MHz, 450MHz
 - Front panel : Straight, Bending style
 - Ethernet connection : TP, Optical fiber (LC type)
 - Memory : 2MB, 4MB, 8MB
- >> Please contact zerosysmall@gmail.com to define the version fitting your requirements.

Corporate Offices



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