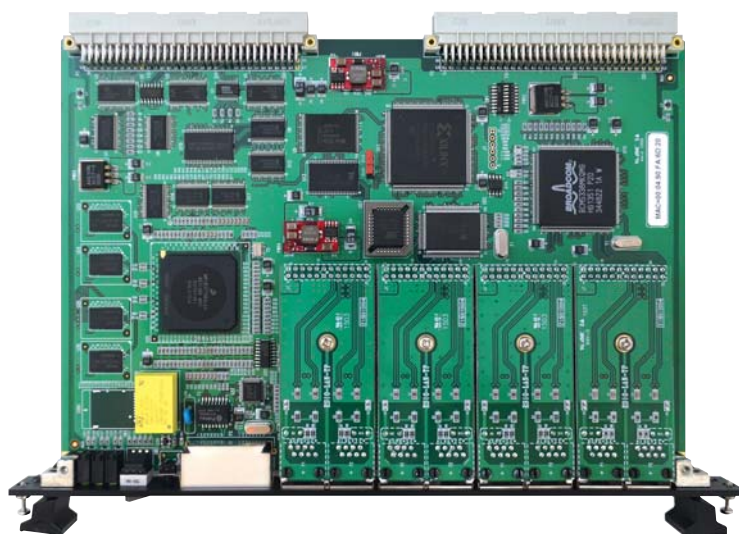


ZESIO 8377

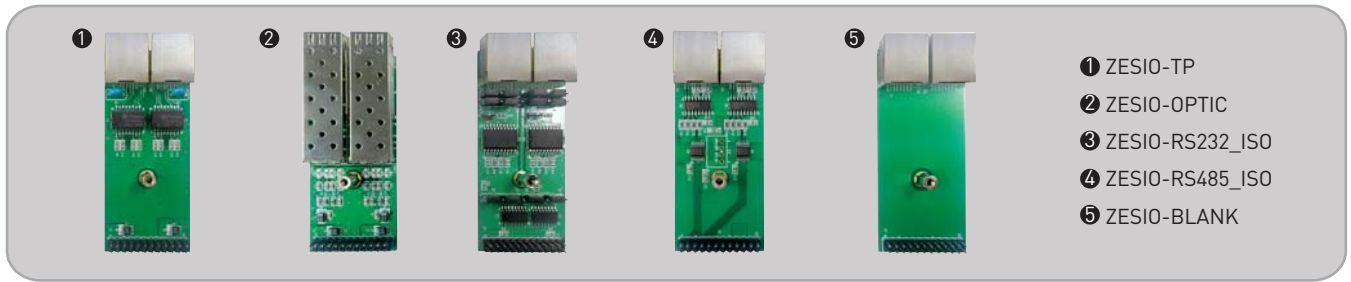
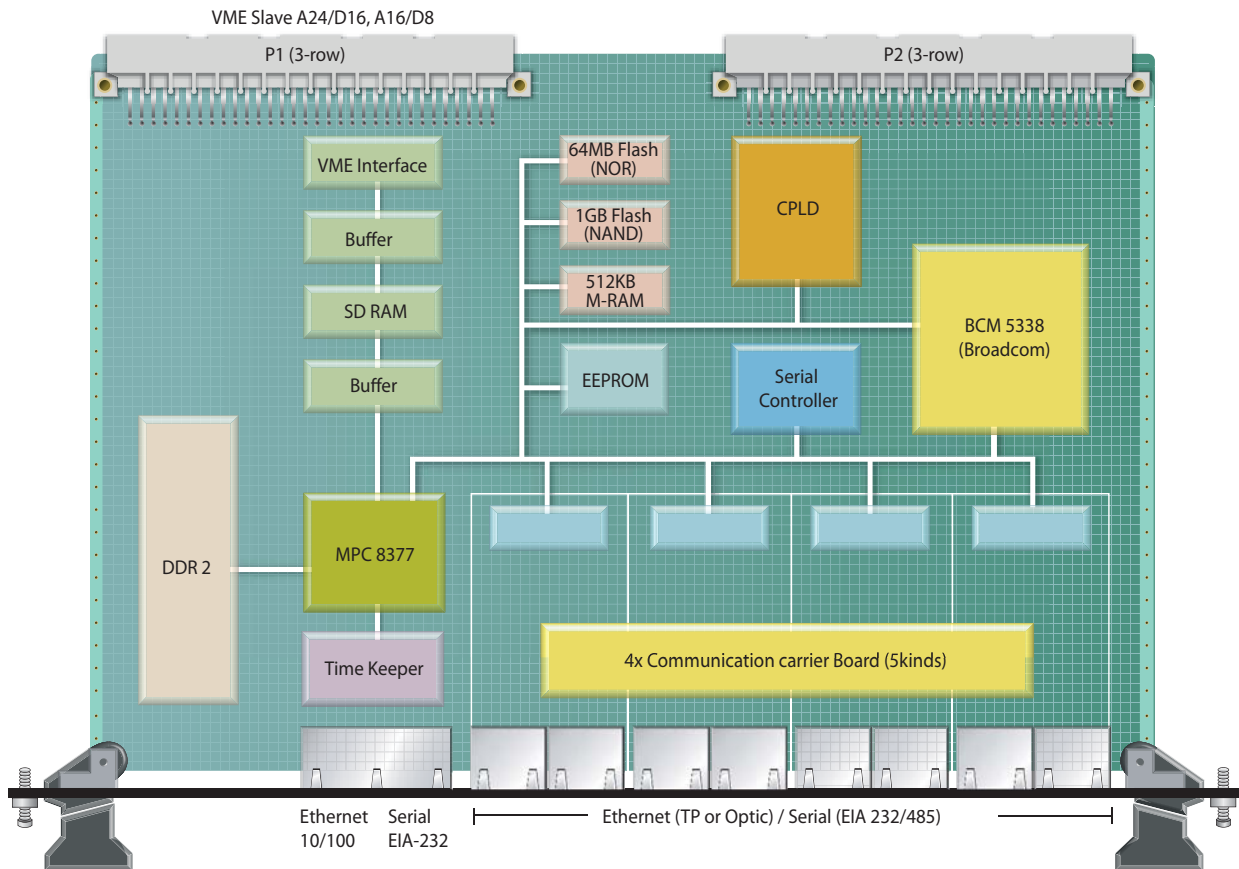
6U VME Multi-communication PowerPC Computer

- Up to 800MHz Freescale e300c4s Core MPC8377 base platform
- Optional 8x Ethernet TP or Optic modules
- Linux and VxWorks 6.x support
- Air and Conduction-Cooled releases
- Operating from -40°C to +85°C



Technical Information

System Processor and Chipset	
Processor	Freescale MPC8377 e300c4s Core powerPC processor operating from 400Mhz up to 800Mhz
Cache Structure	cache : 32 KB Data + 32 KB Instruction
Ethernet Controller	Dual gigabit ethernet/IEEE@802.3 networks controllers
Memory Controller	Integrated synchronous DDR2 controller with ECC support, up to 400-MT/s data rate, 32-bit
UARTs	8x UART integrated in Exar XR16L788IQ
Memory	
System Memory	Up to 512MB SDRAM up to 400-MT/s, 32-bit wide + ECC, soldered
Firmware Boot device	Boot device up to 16 Mb, redundant boot device
Flash Memory	NAND Flash Up to 1 GB, NOR Flash Up to 64 MB
NVRAM	NVRAM 512 KB of M-RAM
EEPROM	EEPROM 512 KB soldered for boot loader
VME Shared	VME-SRAM[512KByte, ASRAM[512KByte, ASRAM]
Onboard Controllers	
Watchdog	Watchdog timer with programmable timeout
RTC	Time keeper M41T11MH6TR from STMicroelectronics
Ethernet PH	Ethernet 8x BCM5338M Managed switcher from broadcom
VME Controller	VME Controller via FPGA IP
Extension	
Communication Carrier board	Ethernet carrier board supported for four options
Ethernet Communication	Ethernet (Twisted Pair or Fiber optic)
Serial Communication	Isolated serial (EIA-232/485)
Front Panel Interfaces	
Ethernet	Max. 9x 10/100BASE-TX on RJ-45 connectors
Serial Port	Max. 8x EIA-232 or EIA-485 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



Ordering Information

Items	Order Code	Description
Main Board	ZESIO 8377 Main	ZESIO 8377 Base main board
Comm. options	ZESIO-TP	Ethernet TP module
	ZESIO-OPTIC	Ethernet Optic module
	ZESIO-RS232_ISO	Isolated EIA-232
	ZESIO-RS485_ISO	Isolated EIA-485
	ZESIO-BLANK	Blank module

ZESIO 8377 options : Make your choice!

- Processor : MPC8377
- CPU Frequency : 400MHz, 800GHz
- Front Panel : Straight, Bending style
- Ethernet Connection : TP, Optical fiber (LC type)
- Serial Communication : EIA-232 / 485

>> Please contact zerosysmall@gmail.com to define the version fitting your requirements.

Corporate Offices



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