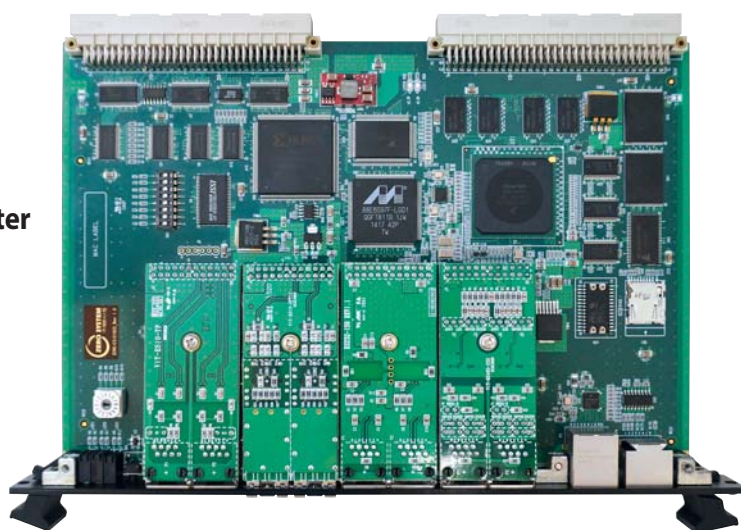


ZESIO 1022

6U VME Fast Multi-communication PowerPC Computer

- Up to 1GHz Freescale e500v2 Core p1022 base platform
- IEEE 1588 PTP Support
- Optional 8x Ethernet TP or Optic modules
- Optional 8x EIA-232 or 485 Serial 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 P1022 e500v2 dule core processor operating from 400Mhz up to 1067Mhz
Cache Structure	Dule L1 cache structure cache: 32 KB Data + 32 KB instruction, L2 cache 256KB frontside
Ethernet Controller	Dual gigabit ethernet/IEEE@802.3 networks controllers
Memory Controller	Integrated synchronous DDR2/DDR3 controller with ECC support, up to 800-MT/s data rate, 32/64-bit
UARTs	8x UART integrated in Exar XR16L788IQ

Memory

System Memory	Up to 1GB DDR3 up to 800-MT/s, 16-bit wide + ECC, soldered
Firmware Boot device	Boot device up to 16MB, redundant boot device (SD Card)
Flash Memory	Dual NOR flash up to 128MB
NVRAM	NVRAM 512 KB of M-RAM
SD-Card	Connector 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 PHY	Ethernet 8x 88E6097F managed switcher from marvel
VME Controller	VME slave controller via FPGA IP

Extension

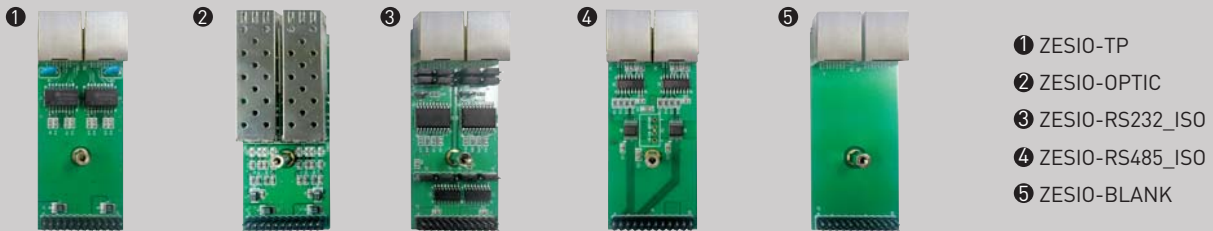
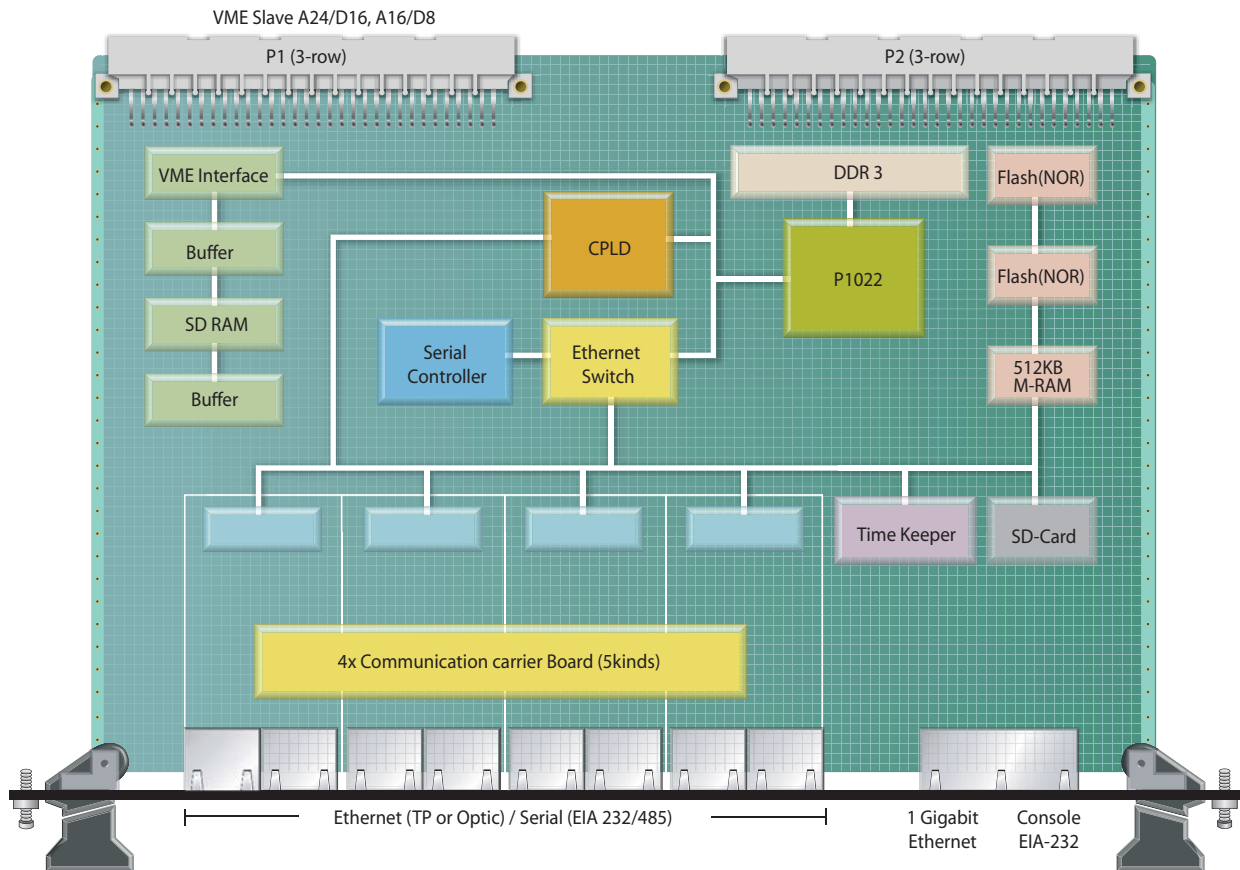
Communication Carrier board	Ethernet carrier board supported for four options
Ethernet Communication	Ethernet (Twisted pair or Fiber optic)
Serial Communication	Isolated serial (EIA-232/485)

Front Panel Interfaces

Ethernet	Max. 8x 10/100BASE-TX, 1Gabit on RJ-45 connectors
Serial Port	Max. 8x EIA-232 or EIA-485 on RJ-45 connectors
Reset	Reset button

Software

Linux	Linux board support package
Bootloader	Uboot Firmware 1.3.3 release



Ordering Information

Items	Order Code	Description
Main Board	ZESIO 1022 - MAIN	ZESIO 1022 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 1022 options : Make your choice!

- Processor: P1022
 - CPU Frequency: 400MHz, 800MHz, 1067MHz
 - 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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