

VPX I/O Board

3U VPX Module



- 3U Open VPX I/O board based on the 32Bit Micro Controller Unit
- Up to -40 to 85°C extended operation range
- Background Built-In-Test (BIT) (module dependent)

Features

- Rugged 3U VPX Single-Slot
- 2Core TMS320C28x 32-bit CPUs
- Onchip Memory 512KB
- OperatingTemp Range 40~85°C
- Backplane I/O includes:
 - Giga bit Ethernet 2ch
 - RS-232 1 ports
 - RS-422 3 ports
 - RS-422 SDLC 2ch
 - USB 2.0 4CH
 - PS/2 ports 2CH
 - GPIO (6 input, 8 output)
 - RTD Sensor Monitoring

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Specifications

Processor

- Dual-core architecture
- Two TMS320C28x 32-bit CPUs
- Trigonometric Math Unit (TMU)

Memory

- On-Chip 512KB (256KW) or 1MB (512KW) of flash (ECC-protected)

P1 I/O Interface

- Giga bit Ethernet x2
- RS-422 x3
- RS-232 x1

P2 I/O Interface

- RTD Sensor Monitoring
- GPIO OUT x8
- GPIO IN x6
- RS-422 SDLC x2

Environment

- Operating Temp Range 40~85°C
- Relative Humidity 5~90% non-condensing

Driver Support

- OS Windows10
Linux

Block Diagram

