

Digital Signal Processing (DSP)

The PMP1000 offers the ability to combine any number of customer-specific channels of data for up to 640 MB/s of continuous data input for 72 GIPs of real-time processing performance using nine of TI's C6414 DSPs. This parallel DSP product, which also delivers over 2,00 MB/s of concurrent onboard I/O, is the perfect solution for many demanding processing applications, as well as problems in combining many channels of information into a single coherent source.

Key Features

- Up to 72 GIPS Peak Processing Power
- Continuous Input Data Processing up to 640 MB/s (Depending on Application)
- Parallel Processing with up to 8 TI C6414 DSPs
- 64MB of memory mapped into each of the 8 main processing DSPs (>512 MB of total DSP memory)
- Unique Program Execution Processor for Dynamic Thread
- Advanced Parallel DSP OS Simplifies User Programming
- Customizable External Interface for Accommodating any Type of User Data Channels
- Designed to create true high-speed, real-time systems in otherwise non real-time environments
- 2.5 GB/s of Total External I/O via 3 Interfaces
- 2,000 MB/s Internal I/O via Switching Network
- 500 MB/sec 64-bit PCI-X
- Full Length OCI 64-bit Board



PMP1000