

StoreEngine™ RTM (Preliminary)



RTM-VPX-10GE Data Sheet: VPX RTM for StoreEngine, Dual 10Gb Ethernet, GigE, & SATA

StoreEngine VPX Rear Transition Module

The RTM-VPX-8GFC rear transition module provides a dual 10 Gb Ethernet interface option for StoreEngine. Critical I/O Ethernet products employ an architecture which offloads much of the protocol processing into dedicated silicon. With support for industry standard protocols Critical I/O 10 Gb Ethernet solutions enable high sustained throughput, ultra-low host processor overhead and very low latency.

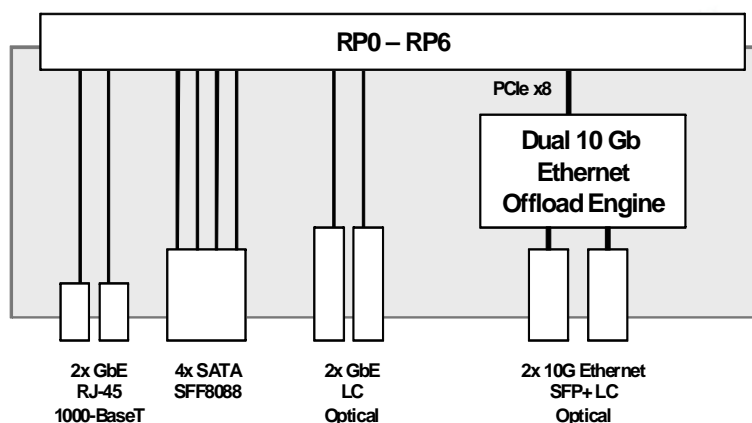


RTM-VPX-10GE Applications:

- NAS using NFS, CIFS, FTP
- Data Recording/Playback
- iSCSI DAS (RAID)
- FCoE DAS (RAID)

RTM-VPX-10GE Features:

- Hardware Protocol Offload
- Dual Port 10GbE interface
- Full line rate throughput
- UDP streaming support
- Hardware BIT (Built in Test)
- Low power consumption
- Dual optical SFP+ LC connectors
- Four SATA expansion ports
- Dual optical and copper 1GbE ports



RTM-VPX-10GE Technical Specifications

Controller Architecture	Hardware protocol processor
Ethernet Rates	10 Gbps/port
Data Transfer Rate	2500 MBytes/sec (per port, full-duplex)
Topology	Switched & point to point
Protocol Support	TCP, UDP, IP
Host Bus Interface	PCI-Express by 8 lanes, PCIe 2.0 (1.1 compatible), 5Gb/sec per lane full-duplex (x8, x4, x2, x1)
Connectors	Two optical LC style SFP+ connectors
Form Factor	6U VXS RTM
Power Requirements	+5VDC at 3.5A (max) or +12VDC at 1.5A (max) standard configuration (special factory configuration: +3.3VDC at 5.2A)
Power Consumption	13 Watts (typical)
Temperature	Operating: 0C to +55C; Storage: -20C to +70C
Humidity	Operating: 10-90%, non-condensing; Storage: 5-95%, non-condensing
Model Number	RTM-VPX-10GE
Model Description	Dual ported 10 Gigabit Ethernet VPX RTM, optical LC style SFP+ connectors, commercial temp air-cooled hardware