

**GENERAL**

- iSNP ASIC: iSCSI/TCP/IP full offload, SCSI3, cache management, volume virtualization, and Serial ATA
- Management Processor: XPC8241 Motorola PowerPC®
- Cache Memory: ECC, 512 MB - 4 GB (Battery protected)
- System Memory: ECC, 512 MB
- Flash: 64 MB
- RAID Levels 0, 1, 5, 10
- iSCSI: Up to eight 1 GbE with full offload or 1, 10 GbE
- Maximum Storage Devices: Up to 16 removable drives (Serial ATA)
- Power: 3 x 350 Watts N+1
- Fans: 2, 85 CFM

**VLAN**

- QoS Support
  - Egress packet prioritization based on IETF DiffServ and IEEE 802.1P tag
- 1024 Connections
- TCP/IP Support
  - RFC 1122 compliant
  - TCP: Congestion management and flow control based on RFC 2581; Options: Maximum Segment Size (MS); Round Trip Time Measurement (RTTM); Window Scale
  - IP: Path MTU Discovery and IP Reassembly

**VOLUME VIRTUALIZATION FEATURES**

- JBOD, Striped sets, Mirrored sets, Striped Mirrored sets, and Parity sets
- 1024 Virtual Volumes (256 accessible per initiator)
- 1024 Target Nodes
- MC/S multiple connections/session
- iSCSI error recovery levels 0
- RAID level migration
- Free space defragmentation
- Online capacity expansion
- Write-through, write-back, write-coalescing, and read-ahead
- Battery-backed cache
- Automatic detection of failed drives
- Automatic rebuild of spare drive
- Hot-swapping of drives (enclosure dependent)
- Drive roaming during power off
- Micro rebuilds
- Instant volume accessibility
- Disklines

**iSCSI NETWORK INTERFACE**

- iSCSI/TCP/IP full hardware offload
- Network Interfaces: two, four, or eight ports of copper GbE OR 1, 10 GbE
- Supports standard Ethernet switching fabric
- Jumbo Frames support
- Transfer rate: Up to 220 MB/s full duplex per port
- iSCSI digest (CRC) supported on header and data
- LAG (IEEE 802.3ad Link Aggregation Group) Support for up to eight LAGs
- VLAN (IEEE 802.1Q Tag) Support
  - Up to eight VLANs
  - One to one mapping between IP Subnet and VLAN
  - Multiple VLANs per physical port with VLAN tag
  - All physical ports in an LAG belong to the same

**STORAGE NETWORK MANAGEMENT**

- IP-SAN Device Manager (IDM)
  - Create, manage, expand, and monitor programs
  - Error statistics and performance information
- Embedded HTTPS server supporting
- CIM/SMIS standard
- Event Manager to view and persist events
- Firmware field upgradeable

**ELECTRICAL AND MECHANICAL**

- Power: 66.5 Watts (maximum battery charging rate)
- Temperature, Operating: 0 to 50° C
- Temperature, Non-Operating: -20 to 70° C
- Operating Humidity: 10% to 90% Non-condensing
- Storage Humidity: 5% to 95% Non-condensing
- ATX Form Factor 9.6" x 12"