



OVERVIEW

Optica's newest generation of zVT mainframe virtual tape products delivers new levels of modularity, scalability, and performance. When combined with Optica's world-class service and support and satisfaction guarantee, the zVT 5000-iNAS, zVT 3000i and zVT 5000-FLEX offer the optimal mix of enterprise-class features, ease of implementation and affordability required to serve the broadest set mainframe customers and workloads in the industry.

The zVT 5000-FLEX Virtual Tape System enables you to leverage your existing investment in any NFS or Fiber Channel (FC) storage for your mainframe virtual tape application. Each FLEX Virtual Tape Node (VTN) connects to the mainframe via (2 or 4) FICON channels and can scale from 16 to 256 virtual tape devices in a single 2U appliance. Each FLEX VTN comes with (2) 10-GbE or (2) 16-Gbps Fiber Channel ports for backend connectivity to your storage of choice, new or existing. The 5000-FLEX virtual tape system can exploit the deduplication, replication, encryption and compression features of the storage array. The zVT 5000-FLEX can be deployed in a multi-node and/or multi-path configuration for high availability and workload balancing.

zVT 5000-FLEX systems have been deployed in the most demanding, mission critical customer environments worldwide. FLEX VTNs can be combined with NFS or Fiber Channel storage nodes from IBM, Dell EMC, Hitachi, Oracle, NetApp, Pure and other leading providers to comprise scalable mainframe virtual tape solutions with Terabytes and even Petabytes of storage capacity.

FEATURES

- Mainframe Connectivity: (2 or 4) 16Gb FICON (32 Gb capable) interfaces per VTN
- Storage connectivity options: 1GbE standard, 10 GbE or 16Gb FC optional
- Virtual Tape Drive license options: 16, 64 or 256 per VTN
- Tape Emulation Support: 3490 and 3590
- User access/management: GUI, CLI, and JCL interfaces
- Multi-node and multi-path support for advanced scalability, resiliency and workload balancing
- Integration and compatibility testing with all major tape management applications and tools
- Efficient 2U form factor

BENEFITS

- Leverage your existing investment in NFS or FC storage
- Flexible, scalable, resilient and affordable
- Easy to install, implement and manage
- Leverages advanced features of the storage array, including deduplication, compression, replication and encryption
- Deploy with no impact to tape operations or applications
- Scale throughput and capacity seamlessly
- Support for all major tape applications and tape management systems

PRODUCT FAMILY ATTRIBUTES

Reliable

- Built on a proven, long life hardware platform
- Operating in the world’s most demanding datacenters
- Optica is a Strategic IBM z Systems partner

Compatible

- Industry standard, non-proprietary AWS file format
- Operating System Support - z/OS, z/VM and z/VSE
- Testing & integration with all major tape management applications & tools

Scalable & Resilient

- Multi-node (HA) configuration support
- Deduplication, replication and encryption features available
- Up to 1PB of storage available in a single cabinet (zVT 5000-iNAS)

World-Class Service & Support

- Professional Services
 - o Planning & design
 - o Configuration & implementation
 - o Migration tools & services
 - o Education & skills transfer
- 7/24 technical support & maintenance

Satisfaction Guaranteed

If you’re not completely satisfied, return zVT, no questions asked.



ZVT SPECIFICATIONS

Environment

- Server on: 5°C to 40°C (41.0°F to 104°F)
- Server off: 5°C to 45°C (41.0°F to 113°F)
- Altitude 0 to 915 m (3,000 feet)
- Humidity, Operating: 8% to 85%, maximum dew point 24°C, maximum rate of change, 5°C/hr
- Humidity, Non-operating: 8% to 80%, maximum dew point 27°C

Cooling

- IBM Calibrated Vected Cooling with up to four redundant fans
- Two fan zones with N+1 fan design (two motors each)
- BTU = 1229

Power

- Dual (2) Power Supplies with IEC-C14 AC outlets; 110/220 Volt; 50/60 Hz, auto-sensing (equipment side)
- Current = 110V-3.0 amps total / 220V-1.5 amps total (balanced across 2 Hot-Swap Power Supplies)
- Watts = 360

Network Connectivity

- Multiple 1-GbE ports for user access to web-based zVT GUI and CLI

Dimensions

- Height: 2U or 86.5 millimeters or 3.4 inches
- Width: 445 millimeters or 17.5 inches (standard 19 inch rack mount)
- Depth: 746 millimeters or 29.4 inches
- Weight: Approximately 17 kilograms or 38 pounds

Mainframe Connectivity and Support

- Two or four 16-Gbps (32-Gbps capable) FICON Interfaces (auto-negotiates to 8 Gbps and 4 Gbps)
- Supports z/OS, z/VM and z/VSE operating systems