IntransaBrand™ EnterpriseStorage™
ST250 Series Video Optimized Modular Storage
Technical Specifications

Part Numbers & Configurations

Part No.	Recording Capacity	Useable Capacity	RAID Protection	Expands with	Maximum Raw Capacity	Storage Type	Internal OS Drives
ST250-4TB-1	4TB	3TB	RAID 5	(3) EX900 Expanders	112TB	Hot-Swap SATA-II	(1) 80GB SSD
ST250-8TB-1	8TB	6TB	RAID 5	(3) EX900 Expanders	116TB	Hot-Swap SATA-II	(1) 80GB SSD
ST250-12TB-1	12TB	9TB	RAID 5	(3) EX900 Expanders	120TB	Hot-Swap SATA-II	(1) 80GB SSD

Software

- Video System Administrator (VSA) Console Graphical User Interface (simple to use management tool)
- VSA Storage Manager
  - *Manages & monitors storage capacity, individual components & entire platforms or multiple platforms*
  - *Enables plug-in, modular capacity growth with VA Expander, without rewiring or halting operations*
  - *Eliminates need for system downtime for routine maintenance, supporting non-stop 24x7x365 operation*
  - *Supports & manages advanced RAID 5/6 data protection*
  - *Supports & manages hot-swap disks for non-stop recording & playback*
  - *Supports & manages hot-swap power supplies in ST250 base & EX900 Expanders for non-stop operation*
- VSA Agent
  - *Seamlessly interfaces between ST250 storage appliances and IntransaBrand™ EnterpriseServer™ and/or IntransaBrand™ VideoAppliance™ for tight integration*
- VSA System Center
  - *Manage & monitor multiple appliances with a single, powerful interface, regardless of how many appliance modules are physically deployed*

- VSOP Video Stream Optimization
  - *Outperforms commodity storage for video by eliminating fragmentation of recorded video & data for improved long term recording & playback*
- VSA Video Stream Director
  - *Eliminates the complexity of multiple IP network connections for efficient video surveillance applications*

Video Retention Capacity

- Base System with (4) SATA-II hot-swap, low energy/hi density disk drives
  - *4TB (4x1TB) raw capacity*
  - *8TB (4x2TB) raw capacity*
  - *12TB (4x3TB) raw capacity*
- EX900 Expander with (12) SATA-II hot-swap, low energy/hi density disk drives
  - *12TB (12x1TB) raw capacity*
  - *24TB (12x2TB) raw capacity*
  - *36TB (12x3TB) raw capacity*
- Extended Systems:
  - *ST250 configurations can add 1 to 3 EX900 Expanders*
- Useable Recording Capacity – ST250 Base with RAID 5 Support Enabled
  - *4TB (3TB useable with RAID 5)*
  - *8TB (6TB useable with RAID 5)*
  - *12TB (9TB useable with RAID 5)*

Network Connectivity

- (2) 1GbE ports for connecting to Host

Requires minimum (1) ICT Interconnect when connecting to IntransaBrand™ EnterpriseServer™ Application Servers

Availability & Reliability

- Hot-swap disk drives (4 in ST250 base; 12 in EX900 Expander)
- Field-replaceable components
- Advanced RAID Support – RAID 5/6
- UPS recommended for all installations

Power Supplies

- 650W AC dual redundant power supplies, 100-240V, 50-60Hz, 5 Amp
- 550BTU/hr

Operating System Support for Connected Devices

Operating System	Initiator
Microsoft Windows 2008 64bit	Windows iSCSI Initiator Default
Microsoft Windows 2008	Windows iSCSI Initiator Default
Microsoft Windows Vista SP1 64bit	Windows iSCSI Initiator Default
Microsoft Windows Vista SP1	Windows iSCSI Initiator Default
Microsoft Windows 2003 SP2 64bit	Windows iSCSI Initiator - latest
Microsoft Windows 2003 SP2	Windows iSCSI Initiator - latest
Microsoft Windows XP SP2	Windows iSCSI Initiator - latest
Red Hat RHEL3	Linux iSCSI Initiator - latest
Red Hat RHEL4	Linux iSCSI Initiator- latest
SUSE Linux 9.2	Linux iSCSI Initiator - latest
Solaris 10 for x86	Solaris iscsiadm version- latest

Indicators

- Power LED, hard drive activity LED, 2x Network Activity LEDs, System overhead/fan fail LED

Protective Bezel

- Yes, locking

Dimensions

- 1U rack mount
- 1.7" (43mm) height, 17.2" (437mm) width, 25.5" (648mm) depth
- Rail kit for 19" rack mounting included

Gross Weight

- 46 lbs (20.9 kg)

Operating Environment/Compliance

- Operating Temperature - 10 to 35°C (50 to 95°F)
- Operating Humidity - 8% to 90% non-condensing
- RoHS compliant 5/6, UL (USA), CUL (Canada), TUV (Germany) EN 6095/IEC 60950 Compliant, CB Report, CCC Certification

Warranty and Support Options
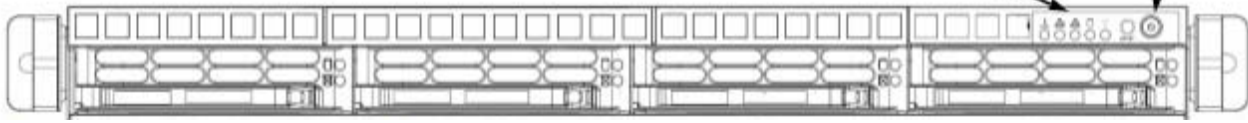
Warranty & Support (Included)
- 3 Years Hardware Warranty
- 3 Years Software Support
- Phone, Email and Web Support M-F 6:00 AM – 6:00 PM Pacific Time
- Ground-shipped Advance Replacement parts
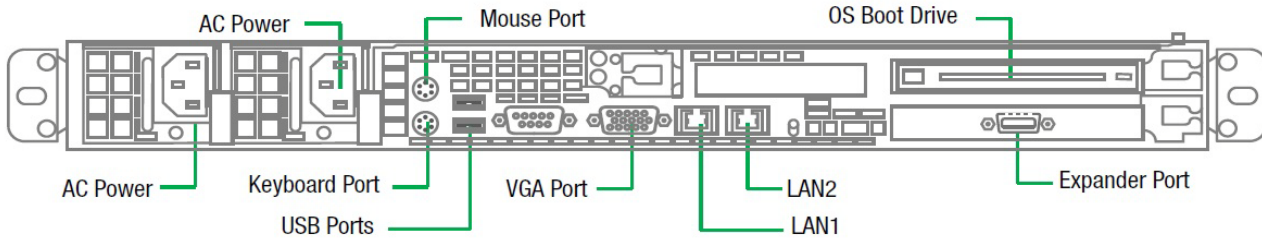
Extended Warranty & Support (Optional)
- Extends either Warranty from 3 to 5 years

Front & Back Panels & Network Diagram

Control Panel   Power Button

ST250 Front Panel

AC Power   Mouse Port   OS Boot Drive

AC Power   Keyboard Port   VGA Port   LAN2

USB Ports   LAN1   Expander Port

ST250 Back Panel

Expander

ST250

NVR

Storage Interconnect

Expander

LAN2

LAN1

Management Station
(Storage Manager)