




SVM2000

Switched Video Manager



The SVM2000, part of Motorola's family of headend management products, combines the video compression benefits of switched digital video with the advantages of sharing QAM resources using open network management protocols. With switched digital video, subscriber usage determines which programs should be made available on each node. As the number of networks and demand for high-definition simulcast increase, switched digital video allows cable operators to use bandwidth that would otherwise be allocated to unwatched channels. This solution brings the benefits of on-demand programming technology to traditional broadcast environments. Additionally, sharing resources such as edge QAMs between multiple services allows cable operators to provision based on real-time consumer behavior rather than mathematical models, improving efficiency. The SVM2000 supports both edge device switching and server-based switching.

Each SVM is designed to support up to 550 channel changes per second on up to 55,000 digital tuners. A browser-based operational status page shows the status of the application, resource usage by service group, and performance statistics for the channel change processing and resource allocation.

FEATURES

- Linux® operating system
- Mirrored disk drives for disk fault tolerance
- Support for multiple channel change protocols
- Full 1:1 redundancy option for highest availability
- Licensed for 55,000 active tuners
- Web-based management console
- Supports industry-standard open interfaces
- Support for in-band and out-of-band carousel

Specifications

	Non Redundant	Redundant
Server Platform	HP DL 320 G6	HP DL 320 G6
CPU	<ul style="list-style-type: none"> • 1 x Quad-Core or Dual-Core Intel Xeon processor 5500 series • Intel 5500 Chipset with up to 6.4GT/s QPI 	<ul style="list-style-type: none"> • 1 x Quad-Core or Dual-Core Intel Xeon (per server) processor 5500 series • Intel 5500 Chipset with up to 6.4GT/s QPI (per server)
Memory	6 GB of RAM	6 GB of RAM (per server)
Hard Drive	4 x 72 GB	4 x 72 GB (per server)
OS	Red Hat 5 Update 3 64bit	Red Hat 5 Update 3 64bit
SVM Minimum Version	5.00 and later	5.00 and later
Configuration	1 RU rack mount	2 RU rack mount
Dimension (H x W x D)	1.70 x 17.64 x 26.85 in (4.32 x 44.80 x 68.19 cm)	3.4 x 17.64 x 53.7 in (8.64 x 44.80 x 136.38 cm)
Weight	29.95 lb (13.6kg)	59.90 lb (27.2kg)
Operating Conditions	10° to 35°C (50° to 95°F) 10 to 90% relative humidity (Rh), 28°C (82.4°F) maximum wet bulb temperature, non-condensing.	10° to 35°C (50° to 95°F) 10 to 90% relative humidity (Rh), 28°C (82.4°F) maximum wet bulb temperature, non-condensing.
Total System BTU/HR	563.91 BTU	1127.82 BTU
Total System Input Current	1.44 A	2.88 A
Total System VA Rating :	165.93 VA	331.86 VA
Total System Wattage	165.37 W	330.74 W
Network	1 Dual Port Gigabit Ethernet card	1 Dual Port Gigabit Ethernet card per server
Part Number	542418-002-00	542422-002-00



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