VISION™ 5268

CONTROLTOWER MEMBER FOR ENTERPRISE DEPLOYMENTS

Ixia's ControlTower™ architecture solves some of the biggest challenges facing network administrators – rapidly increasing scale, flexible deployments, and the need for application and security monitoring spanning the entire network. The products included within the ControlTower architecture are the ControlTower Supervisor (Vision 5260) and ControlTower Members (Vision 5263 and/or Vision 5268), with all functions centrally managed by the Supervisor.

The Ixia ControlTower Member Vision 5268 is a high-density 40GE/10GE/1GE network monitoring switch designed for large and complex data centers. It helps you monitor your rapidly growing number of 1GE, 10GE, and 40GE network segments with existing monitoring tools, while keeping the management of multiple Vision's simple via the ControlTower Supervisor. With the ControlTower Member Vision 5268, your data centers can be equipped with technology positioned to keep up with growing data and traffic on the network.

HIGHLIGHTS

- Network monitoring switch that provides high density switching for Top of Rack and End of Row data center deployments or in distributed campus environments

- Ability to perform advanced, granular filtering capability including: Packet De-Duplication, Packet Trimming, MPLS Stripping, GTP Stripping and Extended Burst Protection

- RESTful webAPI allows the Vision to be incorporated as part of your data center automation initiatives like consolidated management, centralized provisioning and service orchestration

- Double-Your-Ports for Advanced (AFM) Ports

PRODUCT CAPABILITIES

New features such as a RESTful API and IPv6 (supported with NVOS 4.1 and later versions) make ControlTower the perfect solution for service providers. These features provide a robust feature set for the current needs of enterprises while also preparing enterprises for future needs like extended addressing and data center automation initiatives.

SPECIFICATIONS

GENERAL SPECIFICATIONS

Performance

- 1GE/10GE/40GE support
- Non-blocking architecture; 640Gbps total bandwidth
- Full line-rate across all ports with filtering enabled
- Port reconfiguration with no performance impact

High-Availability Features

- Redundant, hot-swappable power supply/fan modules
- -48V DC or 120-240VAC power input
- Front to back air flow
- Redundant management ports
- Craft interface for out-of-band

Port Flexibility

- Up to 64 ports available
- Up to 64 1GE Copper (SFP)
- Up to 64 1GE (SFP)
- Up to 64 10GE (SFP+)
- Up to 16 40GE (QSFP+)
- Ingress/egress port programmability
- Software port licensing
- Port tagging
- Monitoring tool port load balancing (up to 32 ports)
- Time stamping*
- Burst protection*
- Double-Your-Ports for Advanced (AFM) Ports

Management

- SNMP v1, v2, v3 support
- Local, RADIUS, and TACACS+ support (members and groups)
- Granular access control
- Event logging
- Syslog
- IT automation control
- Dual IP-based management ports (RJ45 – 10/100/1000)

Filtering

- Centralized filter templates
- Overlapping filter engine
- Filter parameters (Layer 2-4)
- MAC source/destination address
- VLAN and Ethertypes
- IP protocol and DSCP/TOS Source/destination IP (IPv4/6)
- UDP, TCP ports
- Packet de-duplication/trimming*
- Protocol Stripping (GTP, MPLS, VLAN VNtag)*
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PHYSICAL SPECIFICATIONS

Size and Weight

- 2U high rack mountable enclosure
- Dimensions: 17.5W x 19.125L x 3.5H (inches)
- Weight: 35.0 lbs (16 kg)

DC Power

- Operating input voltage: 36 to 75 VDC
- Nominal current: 5.41A @ 48 VDC, 260W
- Maximum operating input current: 11.46A @ 48 VDC, 550W
- Heat/power dissipation for system with all 64 ports on the front panel at 100% traffic load: nominally 260W/887 BTU/hour

AC Power

- Input AC Voltage: 90-240 VAC RMS auto-switching
- Frequency: 50-60Hz
- Nominal power requirement: 2.36A @ 110 VAC, 260W
- Maximum power requirement: 5A @ 110 VAC, 550W
- Heat/power dissipation for system with all 64 ports on the front panel at 100% traffic load: nominally 260W/887 BTU/hour

OPERATING SPECIFICATIONS

Temperature

- Operating: 5°C to 40°C
- Short-term: -5°C to 55°C (not to exceed 96 consecutive hours)
- Short-term with fan failure: -5°C to 40°C (not to exceed 96 hours)

Humidity

- Operating: 5% to 85%, (non-condensing)
- Short-term*: 5% to 90% (non-condensing, *not to exceed 96 hours)

Mean Time Between Failures Prediction

- 125,000 hours

REGULATORY/SAFETY	
North American Safety • UL 60950-1, 2nd Edition • CSA C22.2 No. 60950-1, 2nd Edition word **International Safety** • CB Scheme: IEC 60950-1:2nd Edition **EC/International EMC** • IEC/EN 61000-4-2:2009 Electrostatic Discharge Immunity • IEC/EN 61000-4-3:2006 +A1:2008 +A2:2010 Radiated Immunity • IEC/EN 61000-4-4:2004 +A1:2010 Transient/Burst Immunity • EN61000-3-3 1995 w/A2 (Flicker) • IEC/EN 61000-4-5:2006 Surge Immunity • IEC/EN 61000-4-6:2009 Conducted Radio Frequency Immunity • IEC/EN 61000-4-8:2010 Magnetic Field Immunity • IEC/EN 61000-4-11:2004 Voltage Dips, Interruptions and Variations	**North American EMC** • FCC part 15, Class A (USA) • ICES-003 Issue 4, Class A (Canada) **European Safety** • EN60950-1 **European EMC** • EN 55022:2006 +A1:2010 (Emissions) • EN 55024:1998 +A1:2001 +A2:2010 (Immunity) • EN 61000-3-2:2006 +A2:2009 (Harmonics) • EN 61000-3-3:2008 (Flicker)

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
SYS-5268Q-STD	Ixia 5268 ControlTower Member base system. This part is sold as an upgrade to a ControlTower System. Includes the following: • 1 5268 ControlTower Member chassis • 1 5268 ControlTower Member management module • 3 526X fan modules • 1 4-port 40G QSFP module
SYS-5268S-STD	Ixia 5268 ControlTower Member base system. This part is sold as an upgrade to a ControlTower System. Includes the following: • 1 5268 ControlTower Member chassis

PART NUMBER	DESCRIPTION
	• 1 5268 ControlTower Member management module • 3 526X fan modules • 1 16-port 10G SFP+ module
MOD-526X-ACMOD	Single(1) AC Power Module
MOD-526X-DCMOD	Single(1) DC Power Module
MOD-526X-FANMOD	Single (1) fan module unit
MOD-526X-IFMOD-10G	Single 526X 16-port interface module. Supports up to 16 SFP/SFP+ optical modules. 16-port 1/10G licensed is included.
MOD-526X-IFMOD-40G	Single 526X 4-port interface module. Supports up to 4 QSFP+ optical modules.4-port 40G licensed is included.
ADVANCED FEATURE MODULE-16 (AFM16)	
M5200-PS-8PX	8 x 10G Optical SFP+ Ethernet Port Advanced Feature Module
M5200-PS-16PX	16 x 10G Optical SFP+ Ethernet Port Advanced Feature Module
LIC-5200-PS-16P-U	Upgrade M5200-PS-8PX Advanced Feature Module to M5200-PS-16PX

INCLUDED ACCESSORIES

• USB flash drive with activation license key

• AC power cord

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