

### CONTROLTOWER MEMBER FOR CARRIER 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.

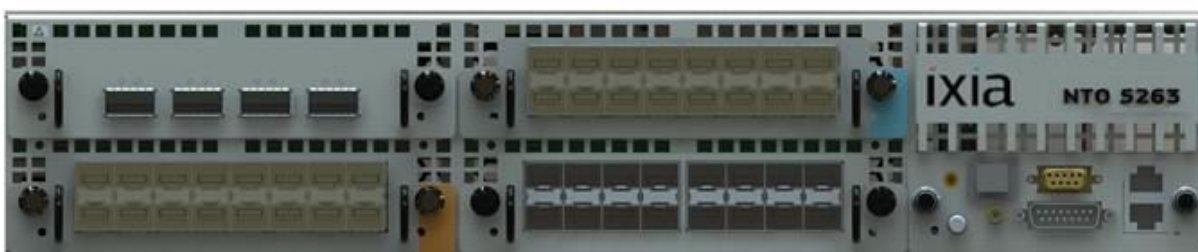
The Ixia ControlTower Member Vision 5263 is a high-density, NEBS Level 3 certified, 40GE/10GE/1GE network monitoring switch designed for large and complex data centers. It helps you monitor your rapidly growing number of 1GE, 10GE, and 40GE network segments with existing monitoring tools, while keeping the management of multiple NTO's simple via the ControlTower Supervisor. The Vision 5263 is supported by the NVOS 4.1 and later software.

### PRODUCT CAPABILITIES

New features such as a NEBS Level 3 certification, 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 service providers while also preparing service providers for future needs like extended addressing and central office automation initiatives.

### HIGHLIGHTS

- Ability to perform advanced, granular filtering capability including: Packet De-Duplication, Packet Trimming, MPLS Stripping, GTP Stripping and Extended Burst Protection
- NEBS Level 3 certification with redundant power supplies
- RESTful webAPI allows the Vision to be incorporated as part of your central office automation initiatives like consolidated management, centralized provisioning and service orchestration
- External alarm connections available for integration to your central office alarms
- IPv6 provides extended IP addressing support
- Double-Your-Ports for Advanced (AFM) Ports



SPECIFICATIONS

GENERAL SPECIFICATIONS	
<p><b>Performance</b></p> <ul style="list-style-type: none"> <li>• 1GE/10GE/40GE support</li> <li>• Non-blocking architecture; 640Gbps total bandwidth</li> <li>• Full line-rate across all ports with filtering enabled</li> <li>• Port reconfiguration with no performance impact</li> </ul> <p><b>High-Availability Features</b></p> <ul style="list-style-type: none"> <li>• Redundant, hot-swappable power supply/fan modules</li> <li>• -48V DC or 120-240VAC power input</li> <li>• Front to back air flow</li> <li>• Redundant management ports</li> <li>• Craft interface for out-of-band</li> </ul> <p><b>Filtering</b></p> <ul style="list-style-type: none"> <li>• Centralized filter templates</li> <li>• Overlapping filter engine</li> <li>• Filter parameters (Layer 2-4)</li> <li>• MAC source/destination address</li> <li>• VLAN and Ethertypes</li> <li>• IP protocol and DSCP/TOS Source/destination IP (IPv4/6)</li> <li>• UDP, TCP ports</li> <li>• Packet de-duplication/trimming*</li> <li>• Protocol Stripping (GTP, MPLS, VLAN VNtag)*</li> </ul>	<p><b>Management</b></p> <ul style="list-style-type: none"> <li>• SNMP v1, v2, v3 support</li> <li>• Local, RADIUS, and TACACS+ support (members and groups)</li> <li>• Granular access control</li> <li>• Event logging</li> <li>• Syslog</li> <li>• IT automation control</li> <li>• Dual IP-based management ports (RJ45 – 10/100/1000)</li> </ul> <p><b>Port Flexibility</b></p> <ul style="list-style-type: none"> <li>• Up to 64 ports available</li> <li>• Up to 64 10GE (SFP+)</li> <li>• Up to 16 40GE (QSFP+)</li> <li>• Ingress/egress port programmability</li> <li>• Software port licensing</li> </ul> <p><b>Performance</b></p> <ul style="list-style-type: none"> <li>• Up to 64 ports available</li> <li>• Up to 64 1GE Copper (SFP)</li> <li>• Up to 64 1GE (SFP)</li> <li>• Up to 64 10GE (SFP+)</li> <li>• Up to 16 40GE (QSFP+)</li> <li>• Ingress/egress port programmability</li> <li>• Software port licensing</li> <li>• Port tagging</li> <li>• Monitoring tool port load balancing (up to 32 ports)</li> <li>• Time stamping*</li> <li>• Burst protection*</li> <li>• Double-Your-Ports for Advanced (AFM) Ports</li> <li>• Port reconfiguration with no performance impact</li> </ul>

**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	
<p><b>North American Safety</b></p> <ul style="list-style-type: none"> <li>• UL 60950-1, 2nd Edition</li> <li>• CSA C22.2 No. 60950-1, 2nd Edition</li> <li>• GR-1089-CORE, Issue 6, May 2011</li> </ul> <p><b>International Safety</b></p> <ul style="list-style-type: none"> <li>• CB Scheme: IEC 60950-1:2nd Edition</li> </ul> <p><b>EC/International EMC</b></p> <ul style="list-style-type: none"> <li>• IEC/EN 61000-4-2:2009 Electrostatic Discharge Immunity</li> <li>• IEC/EN 61000-4-3:2006 +A1:2008 +A2:2010 Radiated Immunity</li> <li>• IEC/EN 61000-4-4:2004 +A1:2010 Transient/Burst Immunity</li> <li>• IEC/EN 61000-4-5:2006 Surge Immunity</li> <li>• IEC/EN 61000-4-6:2009 Conducted Radio Frequency Immunity</li> <li>• IEC/EN 61000-4-8:2010 Magnetic Field Immunity</li> </ul>	<p><b>North American EMC</b></p> <ul style="list-style-type: none"> <li>• FCC part 15, Class A (USA)</li> <li>• ICES-003 Issue 4, Class A (Canada)</li> <li>• GR-1089-CORE, Issue 6, May 2011</li> </ul> <p><b>European Safety</b></p> <ul style="list-style-type: none"> <li>• EN60950-1</li> </ul> <p><b>European EMC</b></p> <ul style="list-style-type: none"> <li>• EN 55022:2006 +A1:2007 (Emissions)</li> <li>• EN 55024:1998 +A1:2001 +A2:2003 (Immunity)</li> <li>• EN 61000-3-2:2006 +A2:2009 (Harmonics)</li> <li>• EN 61000-3-3:2008 (Flicker)</li> <li>• ETSI EN 300 386:2005-4</li> </ul>

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
SYS-5263Q-STD	<p>Ixia 5263 ControlTower Member base system. This part is sold as an upgrade to a ControlTower System. Includes the following:</p> <ul style="list-style-type: none"> <li>• 1 5263 ControlTower Member chassis</li> <li>• 1 5263 ControlTower Member management module</li> <li>• 3 526X fan modules</li> <li>• 1 4-port 40G QSFP module</li> </ul>
MOD-526XACMOD	Single(1) AC Power Module
MOD-526XDCMOD	Single(1) DC Power Module
MOD-526XFANMOD	Single (1) fan module unit

PART NUMBER	DESCRIPTION
MOD-526XIFMOD-10G	Single 526X 16-port interface module. Supports up to 16 SFP/SFP+ optical modules. 16-port 1/10G licensed is included.
MOD-526XIFMOD-40G	Single 526X 4-port interface module. Supports up to 4 QSFP+ optical modules. 4-port 40G licensed is included.
<b>ADVANCED FEATURE MODULE-16 (AFM16)</b>	
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

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