

Spirent VisionWorks 7562

2x100GE Test Head

Highlights

- The only Ethernet / IP Test Head with support for full line rate active testing of 100GE
- Proven ability to scale to support 24/7 proactive performance monitoring of >1 million end points
- As part of the VisionWorks Active Assurance platform, enables automation of service activation testing, SLA monitoring & SLA issue resolution workflows
- Emulates real customer activity with a broad range of standards- based active Ethernet tests

End-to-End Ethernet / IP Visibility Up to 100GE

VisionWorks 7562 Test Head Series extends visibility to critical locations throughout the provider network, including other aggregation locations or end-points such as Network Termination Equipment (NTE) units. This extended visibility enables complete end-to-end transport network and service validation with sectionalization features for troubleshooting service issues. The result is assurance that services are provisioned correctly the first time. When faults do occur, they are rapidly identified and corrected.



VisionWorks 7562 Test Head

The VisionWorks 7562 Test Head provides a customer-centric diagnostic view of IP and Ethernet-based services at 100 Gbps access points. The Test Heads emulate your customer's SLA characteristics while providing immediate and actionable status information about your network through a combination of active test and passive data collection capabilities. The VisionWorks 7562 Test Head is part of the VisionWorks Active Assurance platform, enabling Service Providers to assure fixed, mobile, virtual, physical and hybrid networks.

Use Cases

The VisionWorks 7562 Test Head delivers the visibility and scalability needed to provision and support a wide variety of Ethernet/IP Services including Mobile Backhaul, Business Services, and IP Backbones.

- **Turn-Up / Activation:** Improve the efficiency and scalability of Ethernet/ IP service provisioning. VisionWorks 7562 Test Heads placed at edge switches/routers enable automated and repeatable provisioning "birth certificates" for a wide range of Ethernet services.
- **Monitoring:** Constant visibility of the performance of the network and Ethernet / IP services enables SLA-backed service levels and proactive alarm generation for Operations.
- **Troubleshooting:** VisionWorks 7562 Test Heads provide complete visibility of the service/network performance, allowing rapid fault isolation and sectionalization without the need for multiple dispatches.

Product Specifications

Test Features

- **Tagging support**—802.1Q and Q-in-Q
- **Active tests**
 - EOAM (Y.1731 / 802.1ag)
 - RFC 2544
 - Network Quality (round trip or one-way)
 - Y.1564 / MEF 48
 - Burst
 - TWAMP
 - L2/L3 & MEF 46 loopback
 - RFC 6349 throughput testing
 - Ping and Trace Route
- **24x7 Performance Monitoring tests**—EOAM, Y.1731, TWAMP, Ping, Passive Network Link/Port monitoring
- **Passive tests**—Packet Capture, Link and VLAN statistics, Protocol Distribution, Top Talkers, Conversation Analysis
- **Stateful TCP tests**—Client and server functionality

Measurement Modes

- **Active**—Transmission and measurement of test traffic in order to characterize the network and/or service
- **Performance Monitoring**—24x7 active tests to thousands of endpoints
- **Passive**—Non-intrusive observation and analysis of subscriber generated traffic
- **Multiple**—Up to 30 active tests and/or passive data collection sessions simultaneously
- **Capture**—Packet capture including line rate pre-capture filtering

Mechanical and Environmental

- 1.75" (H) x 16.8" (W) x 21" (D: 17.3" w/o cabling) and 14.15 lbs.
- 48V DC or 110/220 VAC (144 Watts max)
- Operating temperature: 5°C to 55°C (41°F to 130° F)
- NEBS Level3 • CE Class A

Management Interfaces

- 100BaseTRJ-45 IP
- RS-232 (ASYNC)



VisionWorks 7562 Chassis and Module Options	
6941C-7562DC	VisionWorks TSA Dual 100G Test Head—DC Power
6941C-7562AC	VisionWorks TSA Dual 100G Test Head—AC Power
6941C-LR4QSFP28	100G QSFP28 LR4 TRANSCEIVER

VisionWorks 7500 Series Test Heads are part of the VisionWorks suite. For more information visit: www.spirent.com/Solutions/Service-Assurance

Contact Us

For more information, call your Spirent sales representative or visit us on the web at www.spirent.com/ContactSpirent.

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