

Spirent **VisionWorks P2**

Port-Attached Virtual Test Platform (VTP)

Highlights

- **VisionWorks P2** is part of the **VisionWorks** suite which features a cloud-native architecture that enables providers to accelerate service launches & reduce costs in today's physical and early stage virtual networks.
- Container-packaged—**VisionWorks P2** supports container-based VTAs, simplifying operation and resource allocation in cloud-native environments.
- Dynamically-managed—Fully integrated into **VisionWorks Controller** for active test scheduling and management, driving efficient resource utilization. Supports reporting via standard Rest API to northbound systems as part of an open system architecture.
- Micro-services approach—**VisionWorks P2** supports VTAs designed with a micro-services approach, increasing agility and maintainability of test applications and enabling continuous delivery and deployment.

VisionWorks P2: Compact Appliance for Hosting VTAs

Service Providers are migrating to cloud-native networks to radically accelerate service innovation and dramatically reduce costs. However, most service providers will evolve to cloud-native networks over years and are currently operating physical networks with islands of virtualization. Spirent's **VisionWorks** and the **VisionWorks P2 Port Attached Virtual Test Platform (VTP)** feature a cloud-native architecture which significantly automates service assurance workflows in physical and early stage virtual networks. This automation enables service providers to begin to experience cloud-native benefits in today's networks.

VisionWorks P2 is a programmable appliance that supports a variety of Virtual Test Agents (VTAs) comprised of L2-L7 test applications based on the latest service activation testing (SAT) standards. A small form factor and low power consumption enable **VisionWorks P2** to be easily installed in a variety of enclosed locations. In addition, the **VTP** may be used by field technicians for either temporary or permanent deployment at test locations. The **VTP** is designed to support test rates up to 1 Gbps symmetric (line-rate) and is fully integrated with **VisionWorks Controller** for test management and reporting for a variety of test applications.

Key Features

- Plug & play auto-provisioning enabling self-install with 'call-home' feature for auto-identification on the new network
- Support for IPv4 & IPv6 management
- Full line-rate 1 Gbps symmetric support & loopback support (including MEF-46)
- Support for a variety of Virtual Test Agents (VTAs) that focus on Service Activation Testing—support for Y.1564, MEF-48, RFC 6349
- Performance Monitoring VTAs—TWAMP (RFC5357), Y.1731 (Ethernet OAM)
- Application level testing—HTTP, Video



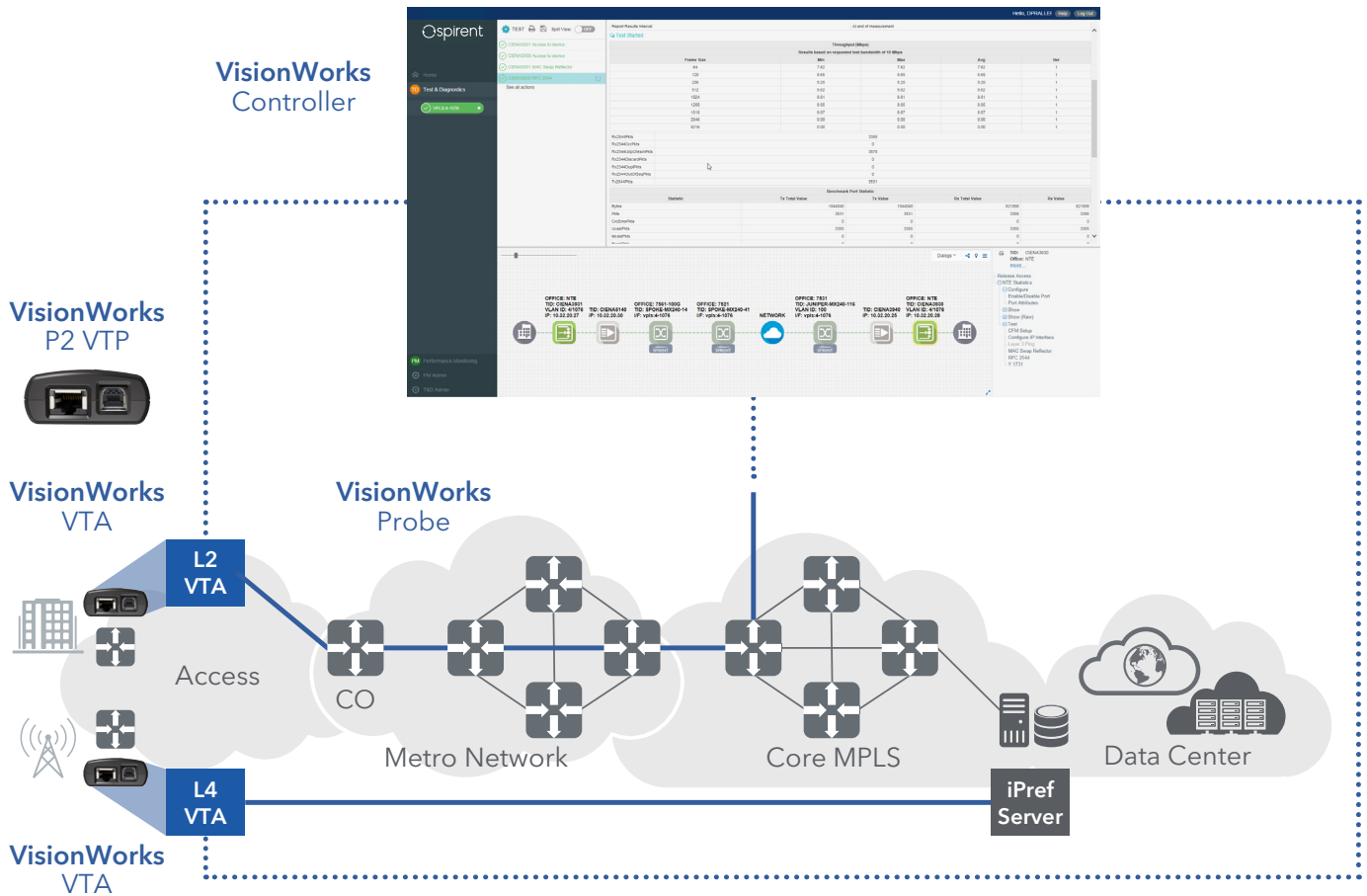
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Use Cases

Provision and Install L2-L7 Services

- Rapidly turn-up new L2 to L7 services using automated workflows that seamlessly integrate with back office systems, test functions and network elements
- Utilize a standards-based suite of test functions to assess newly provisioned services and ensure compliance with service level objectives (e.g. Y.1564, TWAMP RFC5357, RFC6349)



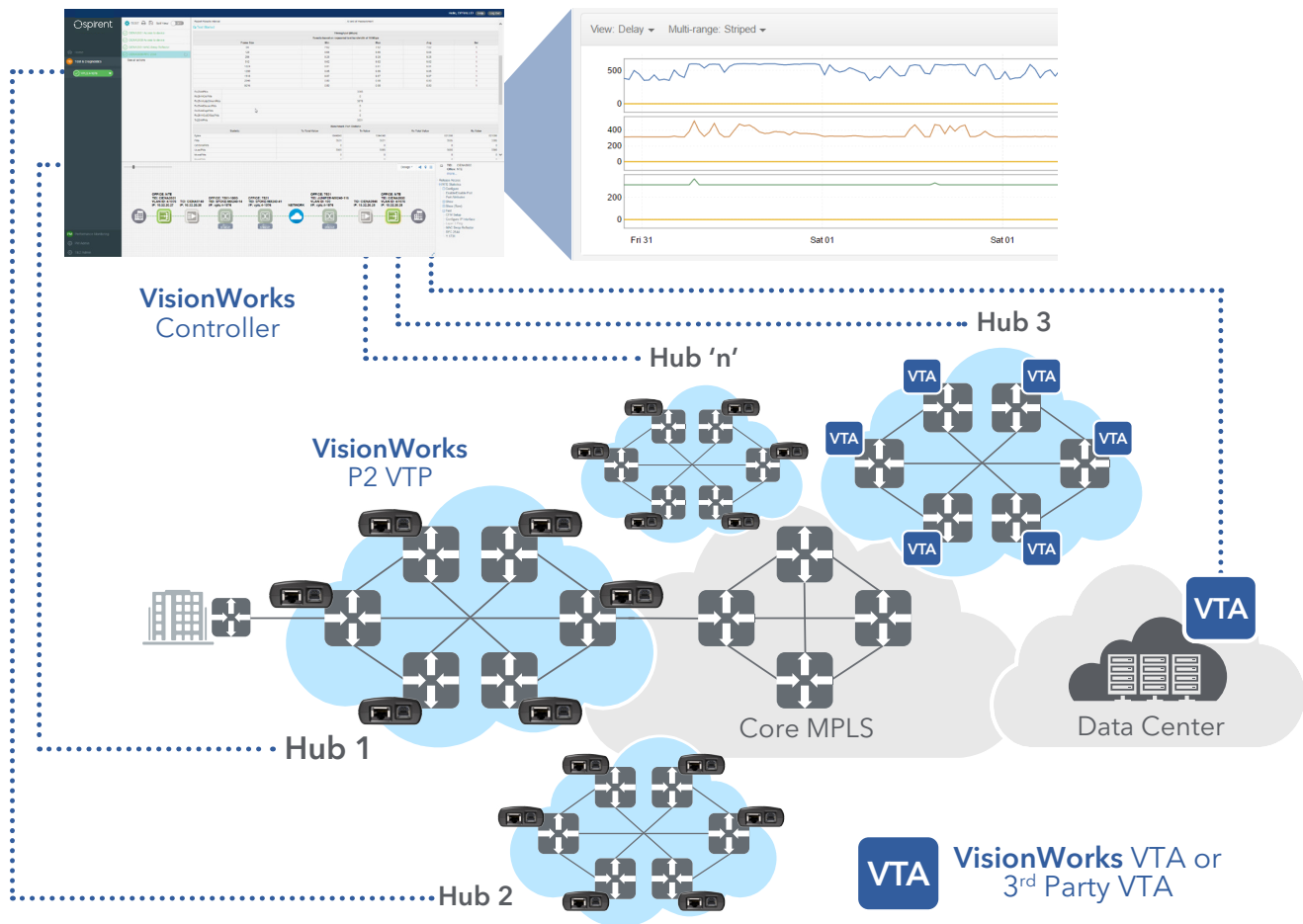
VisionWorks P2 works together with other components of the **VisionWorks** suite to provision and install L2-L7 services:

- Tests managed and KPIs collected by **VisionWorks Controller / VisionWorks Probe** supports L2 testing at high-speed Ethernet edge switches up to 100 Gbps
- **VisionWorks L2 VTA** (Layer 2 - 1564/MEF) deployed on **VisionWorks P2** for bi-directional testing
- **VisionWorks L4 VTA** (Layer 4 - RFC 6349) deployed on **VisionWorks P2** for Layer 4 verification
- Sectionalize Layer 4 issues from Access to Metro Network to Core Network to Data Center

Use Cases (cont'd)

Monitor Service Level Agreements and Availability 24x7

- Perform active monitoring of the network and performance of services, verify SLA compliance
- Scale to support tier-1 carrier networks with hundreds of thousands of network elements
- Integrate with network operations / OSS and analytics systems to provide comprehensive 24/7 visibility of the customer's service experience



VisionWorks P2 works together with other components of the **VisionWorks** suite including **VisionWorks Controller** and **VTA** to monitor SLAs and availability:

- 24x7 SLA and availability monitoring for full mesh using standard protocols (e.g. TWAMP)
- Deploy **VisionWorks P2** or **VTAs** in hubs as applicable
- Tests managed and KPIs collected by **VisionWorks Controller**

Isolate and Troubleshoot Service Issues and SLA Violations

- Utilize SLA monitoring alarms and on-demand tests to rapidly isolate faults and reduce mean time to repair (MTTR)
- Automate troubleshooting workflows and enable low or no-touch problem resolution via trouble ticketing and inventory system connectivity

Product Specifications–VisionWorks P2

Dimensions (HxWxD)	H: 3.25", W: 2.20" and D: 1.00"	
Weight	0.15 lbs. (68.04 g)	
Power Consumption	2W (powered via USB)	
Power Supply	5 VDC, via standard USB connection. For best results and safety, use the USB port of an energized computer or an AC/DC converter.	
Maximum current	0.5 Amps @ 5 VDC	
LED Indicators	Single Bi-color LED	Power = RED
		Link = GREEN
		Active = BLINKING GREEN
USB	USB Port Count	1
	Data Rate	USB 2.0
	Connector Type	TYPE B Plug
Memory (RAM DDR3)	512 MB	
On-board Flash Storage (eMMC)	4 GB (to store OS and VTAs)	
Ethernet Interface	Ethernet Port Count	1
	Data Rate (1Gbps)	1000BASE-T/100BASE-T/10BASE-T
	Connector Type	RJ-45 Plug
Temperature	Operating	0° to 45° C
	Storage	-20° to 55° C
Operation Humidity	10-70%, non-condensing	
Licensing	No HW License Required. VTAs are to be licensed separately.	
Regulatory Compliance	FCC Part 15 Class B ROHS	

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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