AppNeta
See What You've Been Missing

PathView Cloud

Instant-Value Network Performance Management Solution

Today's businesses are critically dependent on predictable network performance. The leading business applications including VoIP/UC, cloud services, IP storage, disaster recovery and backup, and application virtualization are often delivered over third party networks where complete performance insight is difficult to obtain. These critical business services run the risk of failure if network performance requirements aren't met.

AppNeta's award winning PathView Cloud Network Performance Management solution leverages a zero administration, cloud-based service to meet the performance demands of today's distributed network infrastructure and networkdependent applications including VoIP, Video, Virtualization and IP Storage.

PathView Cloud provides unmatched performance insight to network leaders enabling pre-assessment, continuous monitoring and remote troubleshooting capabilities and exceptional application performanceReduce Operational Costs with a Hosted Service.

AppNeta's PathView Cloud microAppliance is a small, zero administration device that remotely tests and troubleshoots complex networks, even through thirdparty infrastructure.

PathView Cloud Features:

- Active bandwidth monitoring and QoS verification
- Active application performance monitoring
- Remotely-managed flow generation and analysis
- Automated remote site packet capture

PathView Cloud is the only cloud-based Network Performance Management solution that offers breadth of performance insight and unmatched time to value. The zero-administration, cloud-based service eliminates the time, cost and resources that network management has traditionally required.

>>>

"You often have multiple tools doing everything that PathView Cloud does in one entire solution, from end to end. It's nice to be able to keep on top of everything, and see it all on one page."

Hart Ripley
ATS Automation

<<<

800.508.5233 | PathView_WebSales@appneta.com | www.AppNeta.com

AppNeta
See What You've Been Missing

PathView Cloud with AppView Voice

Application-Specific Performance Monitoring for Voice over IP Deployments

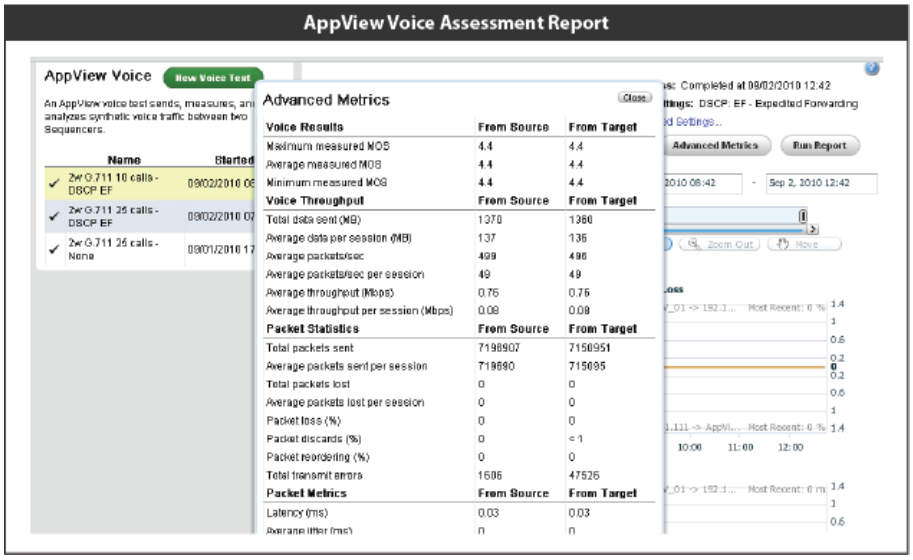
PathView Cloud instant-value Network Performance Management leverages a zero administration, cloud-based service to meet the performance demands of today's distributed network infrastructure and networkdependent applications including VoIP, Video, Virtualization and IP Storage. PathView Cloud provides unmatched performance insight to network leaders enabling pre-assessment, continuous monitoring and remote troubleshooting capabilities.

With the add-on AppView Voice module, PathView Cloud evaluates production networks using real VoIP telephony packets without the deployment of any VoIP equipment. AppView Voice enables you to generate, analyze and measure the impact of live voice traffic on production networks to assure performance throughout the peak utilization times of a typical business week or month - without ever deploying a single piece of voice gear.

AppNeta's PathView microAppliance is a small, zero administration device that remotely tests and troubleshoots complex networks, even through thirdparty infrastructure.

AppView Voice Features:

- Provides insight into how network security and traffic shaping settings impact your key applications
- Verifies if QoS is having the desired effect on VoIP and other performance sensitive applications
- Enables remote office perspective of networks and applications
- On demand or recurring testing for VoIP readiness



800.508.5233 | PathView_WebSales@appneta.com | www.AppNeta.com

AppNeta
See What You've Been Missing

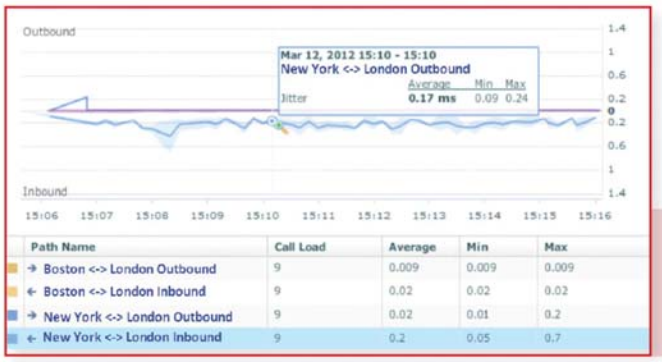
PathView Cloud with AppView Video

Application-Specific Performance Monitoring for Video Deployments

In-depth visibility of network and application performance across LAN, WAN and 3rd party networks is necessary for proactively pinpointing and remediating performance problems of complex, distributed networks. PathView Cloud with AppView Video is the easiest, most cost-effective solution for guaranteeing predictable, high performing video conferencing services.

AppView Video was designed together with Polycom, an AppNeta technology partner and global leader in telecom services. AppView Video is the only tool in the market that enables IT teams to verify the quality of a video conference before it takes place. By generating the video, audio, and signaling portions of the conference, AppView Video measures and assesses the performance of each stream.

AppNeta's PathView Cloud microAppliance is a small, zero administration device that remotely tests and troubleshoots complex networks, even through thirdparty infrastructure.



Assess Video Quality Before Connection Occurs

Highly Accurate Video Conference Testing

AppView Video provides a highly accurate capability for measuring key performance indicators that impact a video conferencing sessions. AppView Video creates separate streams for the key components of the video session including Signaling, Audio and Video, each with independently customized codecs, bandwidth allocation and QoS settings.

Advanced Deployment Architectures

Video conferences come in all shapes and sizes, from a simple location-tolocation session, to central bridge conferences with multiple remote offices, to full mesh environments and everything in between. PathView Cloud with AppView Video supports all of these configurations, and it conducts testing on all sessions concurrently to accurately mirror the distributed nature of the conference. Each session can be uniquely configured to account for differences in conferencing hardware and bandwidth allocated at a given location. The detailed video conference performance results are presented as one complete set to easily identify problem areas.

800.508.5233 | PathView_WebSales@appneta.com | www.AppNeta.com

AppNeta
See What You've Been Missing

PathView Cloud with AppView Web

Real-Time Performance for Any Internal or External Web Application From Any Remote Location

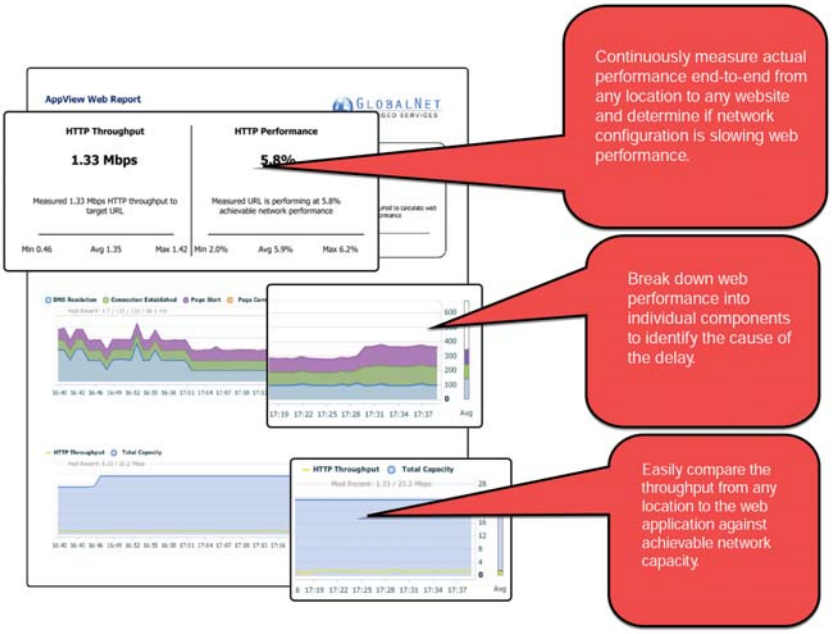
PathView Cloud instant-value Network Performance Management leverages a zero administration, cloud-based service to meet the performance demands of today's distributed network infrastructure and network-dependent applications including VoIP, Video, Virtualization and IP Storage. PathView Cloud provides unmatched performance insight to network leaders enabling pre-assessment, continuous monitoring and remote troubleshooting capabilities.

AppView Web is an add-on module to the PathView Cloud (PVC) Network Performance Management service which provides unique visibility out to the critical websites and web applications that your organization depends on. From CRM services, to backup, to custom web applications you need to understand the performance from your end users to these web servers, and prepare accordingly to ensure top networked application performance. AppView Web is a necessary service for any organization that relies on web-based applications, or for whom website connectivity is crucial to business operations.

AppNeta's PathView microAppliance is a small, zero administration device that remotely tests and troubleshoots complex networks, even through thirdparty infrastructure.

With AppView Web, you can quickly answer:

- How fast can this network deliver web applications?
- How fast is my web application to my user base?
- Why are my web applications performing slowly?
- Why is my website connection so slow?



800.508.5233 | PathView_WebSales@appneta.com | www.AppNeta.com

AppNeta
See What You've Been Missing

PathView Cloud with FlowView

Zero-Impact Network Usage Insight by User, Application and Device

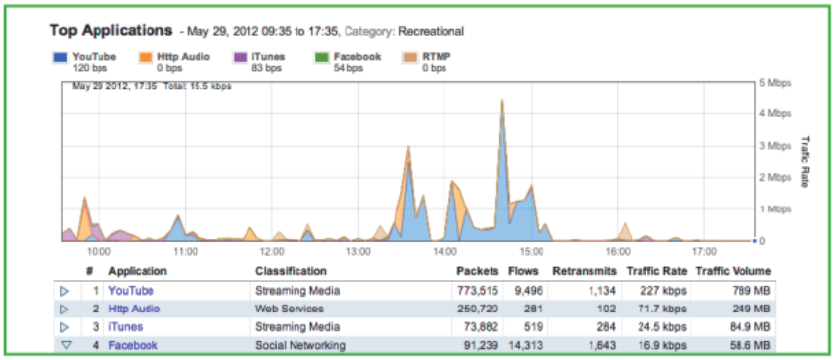
PathView Cloud with FlowView offers the fastest, easiest and most effective approach to understanding deep application analysis and network usage data. As the first cloud-based solution to analyze network activity regardless of hardware in place at remote locations, PathView Cloud with FlowView gives you the insight you need to know exactly what is happening on your network and which devices and users are contributing to performance problems.

For the first time, you will get intuitive, easy-to-understand network usage analysis, presented in clear traffic summaries and classified into simple categories, such as recreational or business related. Rather than just seeing that the network congestion is caused by "web traffic" you will see meaningful detail around which websites / services and individuals are causing the problems.

You can identify top users of thousands of common applications including iTunes, YouTube or social media sites as well as business-critical applications such as SalesForce.com or hosted email. The intuitive user interface enables easy analysis of real-time or historical data.

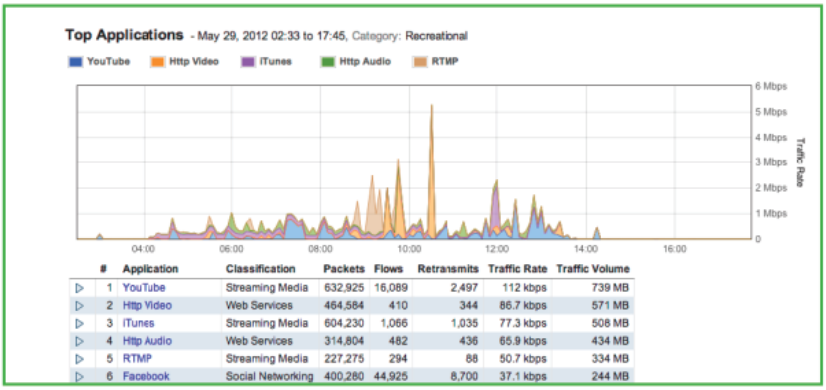
PathView Cloud offers an in-depth understanding of the exact cause of heightened utilization based on the users on the network and the applications they are running. The PathView Cloud solution also provides visibility into key network performance metrics impacting critical applications, now with unmatched insight into the causes of congestion.

Top Recreational Applications



#	Application	Classification	Packets	Flows	Retransmits	Traffic Rate	Traffic Volume
1	YouTube	Streaming Media	773,515	9,496	1,134	227 kbps	789 MB
2	Http Audio	Web Services	250,720	281	102	71.7 kbps	249 MB
3	iTunes	Streaming Media	73,882	519	284	24.5 kbps	84.9 MB
4	Facebook	Social Networking	91,239	14,313	1,643	16.9 kbps	58.6 MB

Report of Top Applications Consuming Your Network Bandwidth



#	Application	Classification	Packets	Flows	Retransmits	Traffic Rate	Traffic Volume
1	YouTube	Streaming Media	632,925	16,089	2,497	112 kbps	739 MB
2	Http Video	Web Services	464,584	410	344	86.7 kbps	571 MB
3	iTunes	Streaming Media	604,230	1,066	1,035	77.3 kbps	508 MB
4	Http Audio	Web Services	314,804	482	436	65.9 kbps	434 MB
5	RTMP	Streaming Media	227,275	294	88	50.7 kbps	334 MB
6	Facebook	Social Networking	400,280	44,925	8,700	37.1 kbps	244 MB

FlowView Features:

- Deep, detailed application analysis
- An integrated view of utilization by host and application, instantly identifying root cause of problems
- Capabilities to drill down to track the usage of any user, device or application
- An easy, cloud-based deployment with no configuration or network hardware required

800.508.5233 | PathView_WebSales@appneta.com | www.AppNeta.com

AppNeta
See What You've Been Missing

PathView Cloud with FlowView Plus

Simple, Secure, Remote Packet Capture for Use with Wireshark™ and Other Packet Analysis Solutions

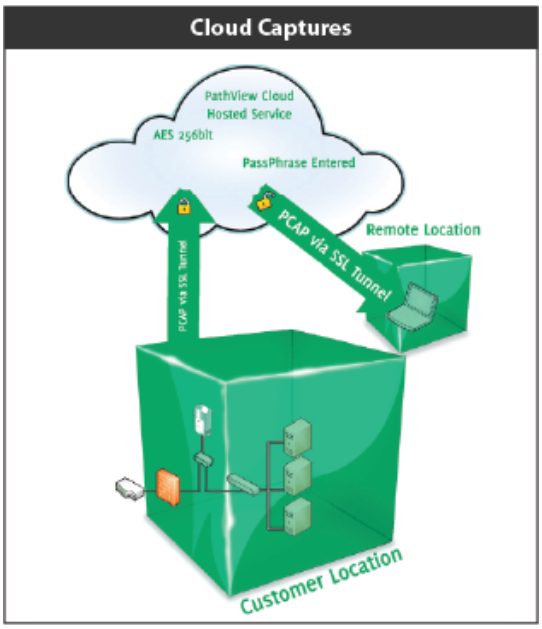
PathView Cloud instant-value Network Performance Management leverages a zero administration, cloud-based service to meet the performance demands of today's distributed network infrastructure and network-dependent applications including VoIP, Video, Virtualization and IP Storage. PathView Cloud provides unmatched performance insight to network leaders enabling preassessment, continuous monitoring and remote troubleshooting capabilities.

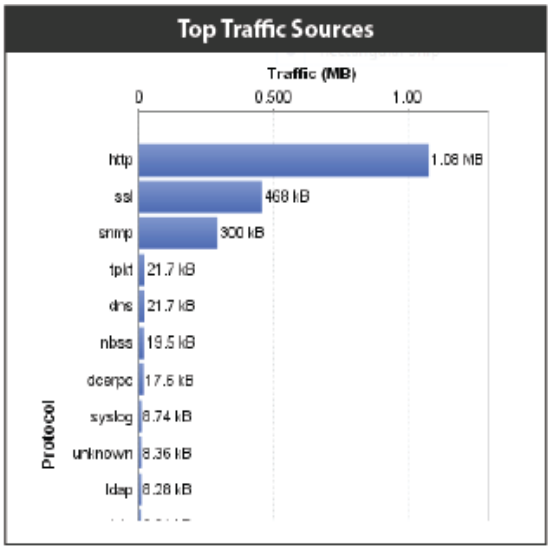
PathView Cloud and the FlowView Plus add-on module perform automated packet capture in response to performance problems at any remote location. FlowView Plus enables secure remote packet captures encrypted with FIPS 140-2 compliant AES 256bit encryption. These captures can be performed on demand, scheduled or triggered by PathView SLA violation alerts*. Automatic packet capture summarizations within the PathView Cloud user interface clearly identify the top users and applications consuming bandwidth. Expert users can download full capture files for analysis within Wireshark or other analysis tools.

AppNeta's PathView microAppliance is a small, zero administration device that remotely tests and troubleshoots complex networks, even through thirdparty infrastructure.

FlowView Plus Features:

- Reviewing network usage patterns
- Performing forensics analysis to uncover the root cause of network problems
- Identifying security threats
- Ensuring datacommunications and network usage complies with outlined policy





800.508.5233 | PathView_WebSales@appneta.com | www.AppNeta.com

AppNeta
See What You've Been Missing

Network Performance Monitoring Frequently Asked Questions

Change your expectation of what a Network Performance Monitoring solution provides. AppNeta's new approach measures overall service quality of any application from the end user perspective not just device status like traditional SNMP. AppNeta measures if the network is delivering an application well, and when a problem is detected it automatically gathers relevant information to provide more insight and with less of a burden on you and your network.

PathView works for all solutions that are run internally, delivered over WAN, hosted service or cloud service. Traditional network management solutions using SNMP, works only on the LAN and devices you own.

What is PathView Network Monitoring?

PathView network monitoring allows for a complete, end-to-end view of the performance of your network measuring the actual network performance experienced by your applications while collecting relevant network, device and end user experience data when a problem is detected.

How does PathView differ from device-centric network monitoring?

PathView is application-centric, measuring performance end-to-end over any network from the application perspective. The PathView solution works for modern solutions that are hosted externally, SaaS-based and cloud-delivered, as well as internal solutions.

When a problem is detected, the PathView Cloud suite uses intelligent polling to automatically determine the status of the devices involved in a network path. PathView Cloud also simultaneously gathers additional information like pack captures and NetFlow information so you have a complete picture of the network at the time of the problem.

What is "Intelligent Polling"?

PathView measures performance continuously, but only gathers device information when it's needed. Traditional network monitoring solutions gather device data every 5-15 minutes even when performance is good. This can lead to up to 20% of your WAN bandwidth being used for device status if you monitor remote offices. PathView only flags and identifies when there is a problem, reducing network consumption from SNMP data over the WAN by up to 98%.

Can I monitor devices continuously?

Yes, if there are key devices you still want to monitor all the time, you can. These devices can be polled up to every five minutes and this data is retained for 30 days.

Can I monitor outside of my network?

Unlike every other SNMP tool that stops at your firewall, we traverse the network just like your applications. We can go where traditional SNMP can't - over VPN, MPLS and even into the cloud.

What information is gathered?

PathView has access to the same SNMP info set available to traditional network monitoring tools. All collected device information is directly correlated to network diagnostics from PathView. With this data, you know what your network is doing at the time of issue, which standard SNMP does not reveal.

How long is this information retained?

Violations are held for one year with diagnostics and automatic pulls are stored for 30 days.

Can I alert on device status?

PathView measures the network performance continuously and you can be alerted to any performance degradation as it's occurring. The performance alerts also trigger the Intelligent Polling, so when you investigate the issue within PathView the device status information will be there automatically.

How is it licensed?

Free with PathView. We don't license by the element, so you can monitor hundreds of devices at no additional charge.

Do I need to purchase any server hardware?

No, PathView is a service. No server, no windows, we host and run everything for you. No additional cost for personnel, training or servers. All of this is covered as part of your service.

Do I need to install any agents?

No. Unlike traditional SNMP tools, no agent is required. The entire network is monitored by the PathView application, which is free with your service subscription.

Do I need to purchase any additional software?

No, unlike mid-to-large installations in which you need to purchase a SQL servicer, you will never need to purchase additional software with PathView.

How do I get updates to the service?

Updates are delivered automatically every month, which means no user intervention is required and there is no management overhead for any customer. An update is released every month with new features and capabilities.

How is the service maintained?

The AppNeta operational team maintains the service. All patches, security, backups and failover are covered by your subscription.

PathView Network Performance Management Appliances for Remote Network Monitoring

To ensure end user experience, you need to measure performance from the end user location. To gain this perpective AppNeta includes with every subscription of PathView Cloud a free, zero administration PathView Cloud Appliance, which connects you to our award-winning cloud-based remote assessment, continuous monitoring and proactive troubleshooting capabilities. By integrating a cloud-based solution with on-site hardware appliances, network performance can be managed and measured, from anywhere to anywhere, while being fully monitored remotely.

PathView microAppliances

AppNeta's PathView microAppliances are small, portable devices that can be placed at remote business locations, requiring only power and an Ethernet connection. The microAppliances take the hassle out of network performance management, offering full remote management, low power consumption and unmatched visibility into remote network performance without the need for network reconfiguration.

The PathView microAppliances are designed for remote deployment to conduct pre and post assessments and continuous performance monitoring of critical network services. They measure end-to-end network performance from their remote locations to any target with an IP address worldwide, providing network engineers with critical insight into performance characteristics such as jitter, latency and available bandwidth. The appliances also measure the performance at each hop across unmanaged WANs to pinpoint hard to see network and application problems.

The m22 microAppliance is a light-weight, portable appliance that provides expanded access to critical network traffic, usage data and packet capture analysis without additional devices. The m22 enables larger scale, broad deployments with higher capacity for WAN path monitoring over wifi or dual Gig-E interfaces. The PathView Cloud m30 microAppliance offers functionality including the built-in pass through network port in support of FlowView and FlowView Plus.

For large scale deployments, the PathView r40 and r400 rackAppliances enable network engineers to expand Network Performance Management capabilities to much larger organizations and networks of end users. The rackAppliances feature higher path capacity, the ability to monitor multiple physical and virtual networks concurrently and increased value for large enterprises with datacenter operations. They were designed to easily install to an existing datacenter rack and are priced and scaled to meet the needs of a datacenter environment.

With the r40 and r400 rackAppliances, organizations can perform real time monitoring of separate physical and virtual networks between business divisions and specific business services.

About AppNeta

AppNeta is revolutionizing IT Performance Management with the first cloud-delivered service for integrated, end-to-end visibility across networks and applications. AppNeta delivers an industry-first SaaS portfolio of End User Experience monitoring services with broad, cross application performance visibility and unprecedented network performance insight. AppNeta arms network and application engineers with the end-to-end visibility needed to know how users experience applications across the network.

800.508.5233 | PathView_WebSales@appneta.com | www.AppNeta.com

v1- 02/2013

AppNeta
See What You've Been Missing

PathView Network Performance Management Appliances for Remote Network Monitoring

				
	m22 microAppliance	m30 microAppliance	r40 rackAppliance	r400 rackAppliance
Path-based SLA Performance Validation	Includes: 5 WAN Targets Max: 100 WAN Targets Includes: 100 LAN Targets Max: 200 LAN Targets	Includes: 10 WAN Targets Max: 150 WAN Targets Includes: 100 LAN Targets Max: 300 LAN Targets	Includes: 40 WAN Targets Max: 200 WAN Targets Includes: 100 LAN Targets Max: 600 LAN Targets	Includes: 40 WAN Targets Max: 200 WAN Targets Includes: 100 LAN Targets Max: 600 LAN Targets
Point-in-time Network Assessment	Includes: 105 Targets Max: 300 Targets	Includes: 110 Targets Max: 450 Targets	Includes: 140 Targets Max: 800 Targets	Includes: 140 Targets Max: 800 Targets
Network Connectivity	Qty (2) Gbps RJ-45 Port 802.1Q VLAN & VIP support 802.11 b/g/n WiFi	Qty (4) Gbps RJ-45 Port 802.1Q VLAN & VIP support 802.11 a/b/g/n WiFi	Qty (6) 1Gbps RJ-45 Port 802.1Q VLAN & VIP support	Qty (2) 10Gbps SFP+ (6) 1Gbps RJ-45 Port 802.1Q VLAN & VIP support
Connectivity	Wired or Wireless	Wired or Wireless	Wired	Wired
FlowView & FlowView Plus Rate Analysis Rate	100 Mbps/200 Mbps Full Duplex	1000 Mbps/1800 Mbps Full Duplex	1000 Mbps/1800 Mbps Full Duplex	1000 Mbps/10Gbps Full Duplex
FlowView & FlowView Plus Rate Analysis Deployment Options	Via Standard Mirror or Span Ports	In-line via Auto-Bypass ports with Fail-to-wire or via standard mirror or span ports	In-line via Auto-Bypass ports with Fail-to-wire or via standard mirror or span ports	Standard mirror or span ports (10Gbps and 1Gbps) In-line via Auto-Bypass ports with Fail-to-wire (1Gbps)
AppView Voice Call Load Generation	25 Concurrent Calls	100 Concurrent Calls	200 Concurrent Calls	200 Concurrent Calls
AppView Application Performance Analysis	Web VoIP Video Conferencing	Web VoIP Video Conferencing	Web VoIP Video Conferencing	Web VoIP Video Conferencing
Concurrent Web Application Monitoring	5 Web Applications	25 Web Applications	50 Web Applications	50 Web Applications
Analysis Type	NetFlow Generation with Deep Packet Inspection	NetFlow Generation with Deep Packet Inspection	NetFlow Generation with Deep Packet Inspection	NetFlow Generation with Deep Packet Inspection
Dimensions	6.25" x 3.62" x 1.5"	1.75" x 11.81" x 5.75"	1.73" x 16.83" x 10.04"	1.73" x 16.83" x 10.04"
Power Requirements	120-240v 50/60Hz	120-240v 50/60Hz	120-240v 50/60Hz	120-240v 50/60Hz
Operating Enviornments	40°-85° F	40°-85° F	40°-85° F	40°-85° F

Start a Free Trial
www.appneta.com