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Omnipliance Family of Network Capture Appliances

Savvius Omnipliances Provide Powerful, Precise, and Affordable Capture and Analytics Solutions for 1G, 10G, and 40G Networks

Keeping Networks Fast, Reliable, and Secure

To keep networks performing optimally and securely, IT engineers need to be able to continuously monitor traffic and troubleshoot problems wherever they occur quickly. They need real-time and historical analysis for every type of network segment and for all types of network traffic. These analysis capabilities must be available 24/7 and that can be deployed everywhere—from the network backbone to remote branch offices.

The Challenge

Today's high-speed networks transmit high volumes of data at speeds beyond the recording and analytical capacities of most network recording and monitoring tools. In a recent survey by TRAC Research, 59% of enterprise IT respondents expressed concern about the number of packets dropped by typical network recording solutions. And 51% expressed doubts about the accuracy of the data their network analysis solutions reported.

There's more data than ever on business networks, but less precision in network analysis. Organizations are counting on their networks more than ever before, but they have less confidence in network monitoring and troubleshooting.

## Enterprise-wide Network Capture and Analytics Solution

Savvius's network forensics solution gives IT organizations real-time visibility into every part of the network simultaneously from a single interface, including Ethernet, 1/10/40 Gigabit, 802.11, and voice and video over IP.

Savvius solutions comprise OmniPeek® Network Analysis Software and the Omnipliance family of network capture and analytics appliances with network adapter cards. Each Omnipliance continuously captures, analyzes, and stores data at remote locations on the network.

Use Cases for Network Recording, Monitoring, and Analysis

With access to captured traffic and advanced tools for network analysis, IT engineers can:

- Troubleshoot network performance issues, including hard-to-diagnose issues that occur only intermittently.

- Keep business-critical services like voice over IP running smoothly.

- Perform transactional analysis with the "ultimate audit trail" for transactions, such as e-commerce transactions, where every network packet matters.

- Find proof of security attacks, including data breaches, suggested by alerts raised by other security tools.
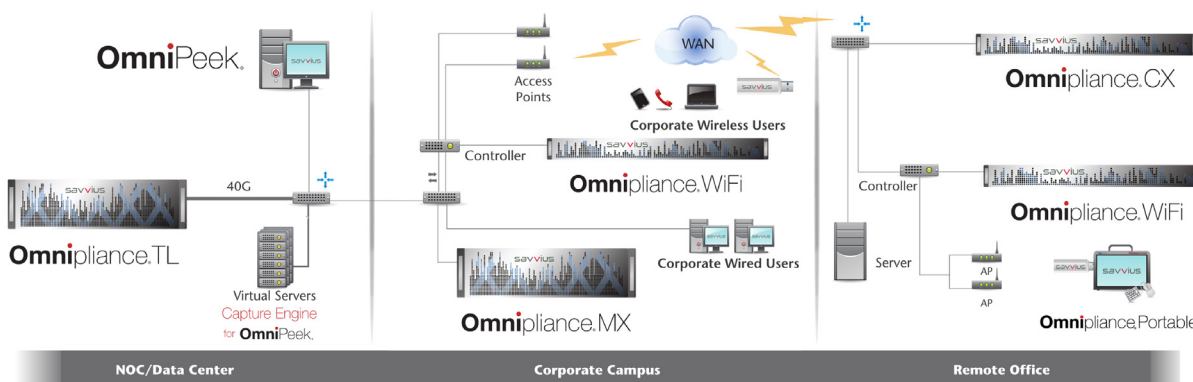
Introducing Savvius Omnipliances

Savvius's new family of Omnipliances gives IT organizations the network monitoring, recording, and troubleshooting solution they need to keep up with today's high-speed networks. Omnipliances provide 24/7 access to 1G, 10G, and 40G network traffic for detailed analysis, including forensic analysis of past events, Expert Analysis for troubleshooting, voice and video over IP metrics, and critical network metrics like Top Talkers and Top Protocols.

Each Omnipliance features both powerful network recording for capturing terabytes of traffic with no packet loss, and award-winning OmniEngine Enterprise software for performing real-time analysis of live network traffic and forensic network analysis of recorded traffic.

Omnipliances are built for speed. They enable IT organizations to monitor and troubleshoot all the activities running on 1G and 10G networks—everything from ecommerce transactions to VoIP calls—without having to settle for analysis compromised by dropped packets, vague sampling, or high-level statistics.

Omnipliance Configurations at a Glance

Appliances and network interfaces can be combined to create a scalable solution for capturing and monitoring hundreds of terabytes of high-speed traffic.

	Omnipliance Portable	Omnipliance CX	Omnipliance MX	Omnipliance TL
Network Traffic	1G Networks	1G Networks	1G/10G Networks	1G/10G/40G Fully-Utilized Networks
Storage Capacity	6TB	Up to 16TB	Up to 32TB	Up to 128TB with OmniStorage
Adapter Options	Up to 2 – 1G/10G	1G	Up to 4 - 1G/10G	Up to 4 – 1G/10G/40G
Space Required	Aluminum chassis / 17" LCD	1U rack mountable	3U rack mountable	3U/6U rack mountable

The Omnipliance Difference

The new Omnipliances mark an evolutionary step forward in network analysis, recording, and forensics. They deliver:

More power in a smaller footprint.

The high-performance architecture of Omnipliances enables them to capture 1G and 10G line-rate data to disk with no data loss while consuming half the rack space of competitive solutions. Omnipliances deliver more comprehensive traffic capture and more analytical power while consuming less storage, less cooling, and less electrical power.

Greater precision.

Instead of simply collecting network statistics and flow data, Omnipliances capture complete network traffic for real-time monitoring and forensic analysis. Having access to every bit in every packet can be invaluable when investigating security attacks, troubleshooting voice or video over IP traffic, and verifying online transactions.
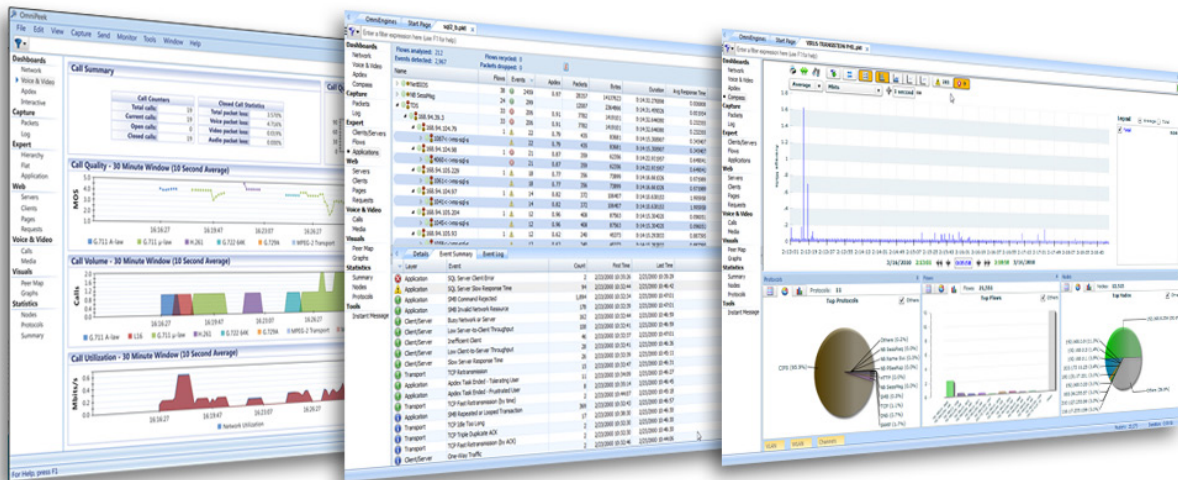
Better price/performance.

Omnipliances provide superior power and precision at a price significantly lower than other network forensics products, especially those that require significant external storage to keep up with today's high-speed networks.

"Our research shows that organizations are skeptical that traditional network analysis tools can keep up with today's high-speed networks. Savvius' new Omnipliance line is providing a unique solution for addressing the key challenges for monitoring and troubleshooting the performance of high-speed networks. The combination of scalable capabilities for network traffic recording, network traffic analysis and the pricing model, position this solution to effectively address the key user requirements for network performance monitoring."

—Bojan Simic
   President and Principal
   Analyst, TRAC Research

Omnipliance Benefits

- **Greater flexibility.**
  Depeing on its configuration, Omnipliance supports combinations of Savvius 1G, 10G, and 40G adapters for Omnipliance. Instead of deploying separate appliances for monitoring 1G, 10G, and 40G segments, IT organizations can combine these adapters in a single chassis.

- **Greater breadth of analysis.**
  Each Omnipliance supports a Forensics Capture, which is optimized for post-capture forensic analysis, and a Monitoring Capture, which is optimized to produce more detailed expert and statistical data in real time.

- **Continuous insight.**
  Enterprises can capture data 24/7 so that live traffic is always available for monitoring and recent traffic is always available for forensic analysis.

- ## Essential details for voice and video over IP analysis.

  As part of their voice and video over IP analysis, Omnipliances include complete signaling and media analyses as well as a Call Detail Record (CDR), providing full visibility into calls and video streams as well as comprehensive, real-time statistical and quality-of-service reports for baselining. IT engineers gain access to call data and can replay calls for troubleshooting. Call quality is assessed at both ends. Savvius VoIP analysis is based on actual call data, not summary data from a VoIP vendor's call manager.

- ## Improved collaboration.

  Omnipliances store captured traffic in industry-standard packet-capture files, which can be easily shared when IT engineers collaborate on root cause analysis.

OmniPeek® Network Analysis Software

Serving as a software console for an unlimited number of Omnipliances, OmniPeek software offers an intuitive, easy-to-use graphical interface and centralized Expert analysis that engineers can use to rapidly analyze and troubleshoot all networks under management. Network engineers can use OmniPeek's intuitive UI and "top-down" approach to visualize network conditions, identify applications with deep packet inspection, analyze faults from multiple network segments, and pinpoint problems requiring correction.

About Savvius

Savvius, Inc., a leader in packet-level network analytics and security forensics, enables network and security professionals to identify, understand, and respond to challenges in network performance and security. Savvius, formerly WildPackets, has sold products in more than 60 countries and all industrial sectors. Customers include Apple, Boeing, Cisco, Deutsche Telecom, Fidelity, Microsoft, Nationwide, and a high percentage of the Fortune 1000. Savvius is a Cisco Solution Partner.
For more information, please visit www.savvius.com.

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