

Bivio 7600

Cyber Security Application Platform



PRELIMINARY PRODUCT INFORMATION



Features and Benefits

- **Compact 1U Rack Mount System**

Compact short-height, short-depth chassis design delivers outstanding performance for open source, proprietary, and commercial off-the-shelf cyber applications.

- **True Wire-Speed, 10 Gbps Performance**

Purpose-built high-performance architecture features multicore Intel® processors to ensure full deep packet processing at up to 10 Gbps.

- **Secure Linux Environment**

Applications run on a secure and performance-optimized Linux® distribution with industry-leading throughput and agility.

- **Robust, Enterprise Hardened Platform**

Dual redundant power supplies, solid-state hard drives and redundant system configurations provide maximum system uptime.

Applications

- **Network Security**
- **Cyber Intelligence**
- **Deep Packet Inspection**
- **Active Cyber Defense**
- **Network Monitoring**

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Rack-Efficient Cyber Security Application Processing

The Bivio 7600 is a compact, high-performance packet processing system that is an ideal host platform for a wide range of Network Security, Cyber Intelligence, Active Cyber Defense and other Deep Packet Inspection (DPI) applications. The platform is optimized for packet processing through a field-proven architecture that features multicore Intel® processors and a robust Linux application environment.

Purpose-built for demanding enterprise-class environments, the Bivio 7600 platform facilitates rapid deployment of open source, proprietary, and commercial off-the-shelf (COTS) cyber application solutions at up to 10 Gbps in a single 1U rack space. The Bivio 7600 platform allows any Linux-based networking application to perform at top speed with little or no porting effort.

Applications such as Bro NSM, Suricata, SNORT® and Argus are fully supported on a performance-optimized Linux distribution with unique packet acceleration technology and standard API compatibility so that cyber teams can deploy advanced cyber solutions within hours of installing the system. The platform is designed for unattended operation with minimal management interaction.

The Bivio 7600 Cyber Security Application Platform is ideal for large enterprise and government Cyber and IT operations teams and systems integrators who demand maximum networking performance in a compact rack-mount chassis. The platform supports transparent inline and passive sensor operation, and provides application code portability with the advanced Bivio 8000 Series™ carrier-grade cyber security application platforms.



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Specifications

Platform Feature	Bivio 7600
System Performance (max)	10 Gbps
# of Network Interfaces for Application Processing	(4) 10G fiber (SFP+)
Local storage capacity (SSD, RAID configuration)	Up to 30 TB
Power Consumption	550 W

Application Processing Environment

- Red Hat® Enterprise Linux® Server
- Dual Intel® Xeon® processor E5-2698v4 (2.2 GHz, 20 cores)
- Up to 384 GB DDR4 memory

Platform Management Features

- Out-of-band Ethernet port
- Out-of-band CLI with Telnet, SSH or console support
- SNMP v3
- Alarm detection and reporting
- Real time statistics reporting and logging

Power Supply Module (Redundant, Hot Swap)

- AC: 100-240 V, 550W, 50-60 Hz (Universal)

Environmental (Operating)

- Temperature: +10°C to +35°C
- Relative Humidity: 10% to 80% RH noncondensing

Mechanical

- Height: 1U (1.75 inches; 44.4 mm nominal)
- Width: 19.0 inches (482.6 mm nominal)
- Depth: 26.7 inches (676.9 mm)
- Weight: 45 lbs (20.4 Kg)
- Cooling: Front-to-Back

Rack Mount Support

- Sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks

About Bivio Networks

Bivio Networks is dedicated to providing leading networking products that enable government agencies and service providers to control, monitor and secure critical network infrastructure. A leader in cyber intelligence, cyber security and network control solutions, Bivio products are deployed in a wide range of environments by a global customer base including leading intelligence agencies, service providers and enterprises. Bivio is privately-held and is headquartered in the San Francisco Bay Area.

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