



BIG-IP 8400



Key Benefits

Ultimate Throughput – Delivers the industry's ultimate traffic management device, featuring best-in-market L4 throughput at an astounding 10 Gbps.

Connection Flexibility – A 10-Gigabit fiber connection supports the latest generation of high performance switches and routers, providing up to 10 Gbps duplex of traffic flow over a single connection.

Device Consolidation – Consolidates multiple devices in high-traffic networks to a single pair of devices for easier management.

Maximum SSL & Compression Processing – Delivers the highest levels of SSL and compression performance available on the market today.

Future Proofs the Network – All Gigabit architecture with Gigabit Copper Ethernet, Gigabit Fiber Ethernet, and 10-Gigabit Fiber Ethernet prepares your network for the future, handling the increasing demand for applications while leveraging the ever increasing power of servers

BIG-IP 8400 Application Switch

Highest Performing 10 Gbps Application Delivery Solution

F5 delivers the BIG-IP 8400 platform, featuring best-in-market throughput at an astounding 10 Gbps.

Industry Best Performance

Packet Velocity ASIC 10 (PVA 10) delivers high volume line speed load balancing performed in a custom developed integrated circuit, enabling the BIG-IP 8400 to achieve industry best L4 performance. The BIG-IP 8400 also delivers the highest levels of SSL and compression performance over any other product in the market and includes integrated DoS attack protection.

Scalability to Support Data Center Consolidation

The BIG-IP 8400 Application Switch outperforms every other product on the market, supporting 10 Gbps of traffic throughput and providing a flexible platform that can scale to meet next-generation data center design.

Maximum SSL Processing

The BIG-IP 8400 includes SSL hardware acceleration to offload costly SSL encryption. By accelerating key exchange and bulk encryption, the platform provides best-in-market SSL performance capable of scaling up to 2.5 Gbps and over 22,000 TPS.

Offloads Server Processing of Compression

F5's optional HTTP Compression ASIC enables you to cost effectively offload traffic compression processing from your servers. See up to a 5x improvement in page load times and up to an 80% reduction in bandwidth utilization, while scaling up to 2 Gbps.

10-Gigabit Ethernet Connections

A new type of fiber connection for networks provides up to 10 Gigabit duplex of traffic flow over a single point.

Reduced Cost of Ownership

Hot-swappable components reduce downtime and lowers TCO with hot-swappable fans and power, and accessible compact flash and hard drive. Remote management, multi-boot support, and simplified installation with superior management capabilities improve availability.

Integrated Architecture

At the heart of the BIG-IP 8400 is the TMOS architecture, an intelligent, modular, and scalable foundation for quickly adapting to future business challenges and streamlining management tasks. TMOS enhances every function riding on top of the BIG-IP 8400, making it easy to upgrade with software add-on modules to meet your diverse and evolving distributed application goals.

Physical Specifications



BIG-IP 8400 **10 Gbps throughput platform**

Processor: Dual CPU

Base Memory: 2GB

ASIC: Packet Velocity ASIC 10

Gigabit Ethernet CU Ports: 12 (Copper or Fiber)

10 Gigabit Fiber Ports: 2 (XFP pluggable optics)

Included SSL TPS/Max TPS/Bulk Crypto: 100/22,000/2.5 Gbps

Traffic Throughput: 10 Gbps - L4

Available Hardware Options: Hardware Compression 2 Gbps
FIPS Processing (7,000 TPS and 1.5 Gbps SSL Throughput)

Dimensions:

3.5"H x 17.25"W x 23.75"D (per unit) 2U industry standard rack-mount chassis; designed for IEC standards supporting 19" rackmounted equipment

Weight: 40 lbs. (single power), 43 lbs. (dual power)

Operating Temperature:

41° to 104° F (5° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:

10 to 90% @ 40° C, per Telcordia GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:

UL 60950-1-2002

CSA-C22.2 No. 60950-1-03

CB TEST CERTIFICATION TO IEC 950, EN 60950

Electromagnetic Emissions Certifications/Susceptibility Standard:

EN55022: 1998: + A1: 2000+A2: 2003

EN6100-3-2: 2000 and

EN6100-3-3: 195+A1: 2000

EN55024: 1998+A1: 2001+A2: 2003 Class A

FCC Part 15B Class A

Maximum Power Consumption: 460 W

Maximum Heat Output: 1962 BTUs

Input Voltage:

90-240VAC +/- 10%

90-132 9A

80-264 4A

All specifications subject to change without notice.



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