



### Key Benefits

#### Power

- Packet Velocity ASIC\*
- High Performance SSL & Compression
- High Performance Switching Fabric

#### Manageability

- Lights-Out Management
- Multi-Boot Support
- LCD for Simplified Management
- Port Flexibility
- PCI Slots
- Independent Secure Management Access

\*except 1500

## Application Switches

### Multi-Gigabit L4-7 Application Delivery Solutions

*F5's Application Delivery Networking products feature a ground-breaking, next-generation processing platform that provides unmatched power for optimizing, securing, and delivering business-critical applications.*

#### **Supports the Largest Sites and Heaviest Loads**

BIG-IP platforms feature extreme capacity for handling the heaviest traffic loads at both Layer 4 and Layer 7. F5 solutions outpace every other product on the market in terms of key performance metrics in Layer 4, Layer 7, SSL processing, and HTTP compression – all running concurrently. These powerful platforms provide superior scalability for making in-depth Layer 7 decisions with extensive server and application acceleration capabilities for a high performance and unified network device.

#### **Ground-Breaking Performance**

F5 delivers the industry's fastest unified application delivery networking solution with an architecture that merges a high performance switching fabric with individual hardware optimizers. This gives you real-world performance at network speeds, enabling the successful and secure delivery of your applications.

#### **Up to a 50% Increase in Layer 7 Performance**

BIG-IP, with its TMOS architecture, delivers a unique set of optimization techniques to boost application performance across all platforms. Isolating client-side from server-side flows independently optimizes communication for each connecting device, translating communications between systems for greater infrastructure scalability and outstanding application performance.

#### **Integrated Hardware Compression Offloads Servers**

F5's 8400, 6800, and 6400 platforms offer an optional HTTP Compression ASIC that enables organizations to cost effectively offload compression processing to the network while increasing server capacity. By migrating compression onto the network, administrators can realize up to a 20% improvement in server capacity, application performance (scales up to 2 Gbps), and application response times for users.

#### **Heightened Security and Protection of Sensitive Content**

The 6800 and 6400 BIG-IP platforms deliver unmatched scalability for FIPS processing to meet regulatory requirements specified in the FIPS 140-2 Level 2 and HIPAA standards. F5 enhances SSL security using hardware to encrypt and decrypt both the keys and data, leading the market in SSL TPS and bulk encryption. All other platforms offer best-in-market SSL TPS and bulk encryption via an optional hardware optimizer.

#### **Future Proofs the Network**

All Gigabit architecture with Gigabit Ethernet ports (copper or fiber) future proofs the network to accommodate both the increasing demands of applications and increasing server capacity.

#### **Easy to Manage for Reduced Cost of Ownership**

Multi-boot support, warm upgrades, lights-out management, remote boot, superior system instrumentation, hard drive, and USB support reduce downtime, lower TCO, and provide superior reliability for platform longevity. Selected platforms also offer hot-swappable components and redundant power supply and fans.

**BIG-IP is available on five different platforms:**



**8400 Series**

**Processor:** Dual CPU  
**Base Memory:** 2 GB  
**ASIC:** Packet Velocity ASIC 10  
**Gigabit Ethernet 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  
**Dimensions:** 17" w x 25" (OAL)/23.5" behind mounting ears x 3.5" (2U)  
**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

**6800 Series**

**Processor:** Dual CPU  
**Base Memory:** 2 GB  
**ASIC:** Packet Velocity ASIC 2  
**Gigabit Ethernet CU Ports:** 16  
**Gigabit Fiber Ports (SFP-GBIC Mini):** 4 (2 standard, 2 optional)  
**Included SSL TPS/Max TPS/Bulk Crypto:** 100/20,000/2 Gbps  
**Traffic Throughput:** 4 Gbps  
**Available Hardware Option:** Hardware Compression (2 Gbps)  
FIPS Processing (8,000 TPS and 1 GB SSL Throughput)  
**Dimensions:** 17.5" w x 25" (OAL)/23.5" behind mounting ears x 3.5" (2U)  
**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 (UL1950-3)  
CSA-C22.2 No. 60950-00 (Bi-national standard with UL 60950) 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  
EN55024 1998 Class A  
FCC Part 15B Class A  
**Maximum Power Consumption:** 400 W  
**Maximum Heat Output:** 1365 BTUs  
**Input Voltage:** 90-240VAC +/- 10%  
90-132 9A  
80-264 4A

**6400 Series**

**Processor:** Dual CPU  
**Base Memory:** 2 GB  
**ASIC:** Packet Velocity ASIC 2  
**Gigabit Ethernet CU Ports:** 16  
**Gigabit Fiber Ports (SFP-GBIC Mini):** 4 (2 standard, 2 optional)  
**Included SSL TPS/Max TPS/Bulk Crypto:** 100/15,000/2 Gbps  
**Traffic Throughput:** 2 Gbps  
**Available Hardware Option:** Hardware Compression (2 Gbps)  
FIPS Processing (8,000 TPS and 1 GB SSL Throughput)  
**Dimensions:** 17.5" w x 25" (OAL)/23.5" behind mounting ears x 3.5" (2U)  
**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 (UL1950-3)  
CSA-C22.2 No. 60950-00 (Bi-national standard with UL 60950) 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  
EN55024 1998 Class A  
FCC Part 15B Class A  
**Maximum Power Consumption:** 400 W  
**Maximum Heat Output:** 1365 BTUs  
**Input Voltage:** 90-240VAC +/- 10%  
90-132 9A  
80-264 4A



### 3400 Series

**Processor:** Single CPU

**Base Memory:** 1 GB

**ASIC:** Packet Velocity ASIC 2

**Gigabit Ethernet CU Ports:** 8

**Gigabit Fiber Ports (SFP-GBIC Mini):** 2 optional

**Included SSL TPS/Max TPS/Bulk Crypto:**  
100/5,000/1 Gbps

**Traffic Throughput:** 1 Gbps

**Dimensions:**

17.5" w x 25" (OAL)/23.5" behind mounting ears x 1.75" (1U)

**Weight:** 22 lbs.

**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 (UL1950-3)  
CSA-C22.2 No. 60950-00 (Bi-national standard with UL 60950) 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

EN55024 1998 Class A

FCC Part 15B Class A

**Maximum Power Consumption:** 300 W

**Maximum Heat Output:** 1025 BTUs

**Input Voltage:**

90-240VAC +/- 10%

90-132 6A

80-264 3A

### 1500 Series

**Processor:** Single CPU

**Base Memory:** 768 MB

**ASIC:** None

**Gigabit Ethernet CU Ports:** 4

**Gigabit Fiber Ports (SFP-GBIC Mini):** 2 optional

**Included SSL TPS/Max TPS/Bulk Crypto:**  
100/2,000/500 Mbps

**Traffic Throughput:** 500 Mbps

**Dimensions:**

17.5" w x 21.5" (OAL)/20.0" behind mounting ears x 1.75" (1U)

**Weight:** 19 lbs.

**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 (UL1950-3)  
CSA-C22.2 No. 60950-00 (Bi-national standard with UL 60950) 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

EN55024 1998 Class A

FCC Part 15B Class A

**Maximum Power Consumption:** 300 W

**Maximum Heat Output:** 1025 BTUs

**Input Voltage:**

90-240VAC +/- 10%

90-132 6A

80-264 3A



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