



### 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 groundbreaking, next generation platforms that provide unmatched power to dramatically improve Layer 4-7 traffic throughput, administrative ease of use, and provide more application aware traffic management.*

#### Supports the Largest Sites and Heaviest Load

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 Server

F5's 8800, 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 6 Gbps), and application response times for user.

#### 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 reduces downtime, lowers TCO, and provides superior reliability for platform longevity. Selected platforms also offer hot-swappable components and redundant power supply and fans.

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



**8800 Series**

**Processor:** Dual CPU, Dual Core (4 processors)  
**Base Memory:** 4GB  
**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:**  
100/48,000/6 Gbps  
**Traffic Throughput:** 10 Gbps - L4; 8 Gbps - L7  
**Hardware Compression:** 6 Gbps  
**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:** 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:**  
90-240 VAC +/- 10%  
30-72 VDC (optional)  
90-132 9A  
180-264 4A

**8400 Series**

**Processor:** Dual CPU  
**Base Memory:** 2GB  
**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  
FIPS Processing (7,000 TPS and 1 GB 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:**  
90-240 VAC +/- 10%  
30-72 VDC (optional)  
90-132 9A  
180-264 4A

**6800 Series**

**Processor:** Dual CPU  
**Base Memory:** 2GB  
**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 (7,000 TPS and 1 GB 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 (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  
Class A  
FCC Part 15B Class A  
**Maximum Power Consumption:** 400 W  
**Maximum Heat Output:** 1365 BTUs  
**Input Voltage:**  
90-240 VAC +/- 10%  
30-72 VDC (optional)  
90-132 9A  
180-264 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 (7,000 TPS and 1 GB 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 (UL1950-3) NEBS Certified (optional) 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:**  
 90-240 VAC +/- 10%  
 30-72 VDC (optional)  
 90-132 9A  
 180-264 4A



## 3410/3400 Series

**Processor:** Single CPU  
**Base Memory:** 1 GB  
**ASIC:** Packet Velocity ASIC 2

<b>3410 Ports</b>	<b>3400 Ports</b>
<b>Gigabit Fiber Ports (SFP - GBIC Mini):</b> 10	<b>Gigabit CU Ports:</b> 8
	<b>Gigabit Fiber Ports (SFP - GBIC Mini):</b> 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:**  
 90-240 VAC +/- 10%  
 30-72 VDC (optional)  
 90-132 6A  
 180-264 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:**  
 90-240 VAC +/- 10%  
 30-72 VDC (optional)  
 90-132 6A  
 180-264 3A



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