



Key Benefits

Unified application delivery

- Security, acceleration, and availability
- Flexibility and control with TMOS architecture

Consolidate and design for growth

- Specialized hardware designed for application delivery
- Unmatched performance at layer 4 and layer 7
- SSL and compression offload

Reduce costs

- Simplified management
- Increased uptime

BIG-IP Hardware: Application Switches

Deliver More Applications for More Users

BIG-IP Application Delivery Networking platforms can manage even the heaviest traffic loads at both layer 4 and layer 7. By merging high performance switching fabric, specialized hardware, and advanced software, F5 provides the power to make in-depth application decisions without introducing bottlenecks.

With the high performance you get from BIG-IP platforms, you can consolidate devices—saving management costs, electricity, space, and cooling—while still having room to grow.

Provides security, acceleration, and availability in one device

You can add modules to the base systems of all BIG-IP platforms to customize the application delivery features you need. One device can be built for server load balancing, global data center load balancing, web application firewall, HTTP acceleration, spam filtering, or WAN optimization. Many of the BIG-IP platforms support running these technologies at the same time, providing security, acceleration, and availability while only requiring the data to be processed once in one device.

Uses application servers more efficiently

SSL and compression put a large processing burden on application servers. BIG-IP platforms provide high performance SSL and compression capabilities to offload these tasks from the application servers. With these tasks centralized, the application servers can then dedicate more resources to serving the application. In addition, centralized SSL key management greatly reduces the cost of deploying and maintaining SSL encryption.

Secures your network

Incorporating a BIG-IP platform into your network instantly adds a layer of security. It is a default-deny device, meaning you must explicitly allow access to specific services, and it provides a full packet filter engine that can limit access in a very granular way. In addition, BIG-IP platforms have SYN cookie support to protect against denial of service (DoS) attacks. All BIG-IP platforms use SSH for secure command-line access and HTTPS web server for secure web GUI access. The 6800 and 6400 BIG-IP platforms deliver high performance FIPS processing to meet regulatory requirements specified in the FIPS 140-2 Level 2 and HIPAA standards.

Reduces your operating costs

Simple-to-manage hardware means less time spent on configuration, upgrades, and maintenance. All BIG-IP platforms feature out-of-band, always-on management, front-panel management, warm upgrades, remote boot, and USB support.

Maximizes uptime

With hot-swappable components, redundant power supplies, redundant fans, compact flash, multi-boot support, and lights-out management, BIG-IP platforms are designed to ensure that your applications are always available.

Integrates efficiently with your network

Flexible ports, DC power options, and NEBS-certified options ensure that BIG-IP platforms can be easily integrated into your existing infrastructure.

Evolves with your network and applications

At the heart of every BIG-IP device is a revolutionary architecture called TMOS™ that provides a unified system for optimal application delivery, giving you total vision, flexibility, and control across all services. TMOS empowers BIG-IP devices to intelligently adapt to the diverse and evolving requirements of applications and networks.

BIG-IP is available on six different platforms:



8800 Series

Processor: Dual CPU, Dual Core (4 processors)
Base Memory: 4 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:
100/48,000/6 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
Certifications/Susceptibility Standards:
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: 4 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
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
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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: 4 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 (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
Certifications/Susceptibility Standards:
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



6400 Series

Processor: Dual CPU
Base Memory: 4 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
Certifications/Susceptibility Standards: 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



3600 Series

Processor: Core2Duo3 2.13GHz
Base Memory: 4 GB
Gigabit Ethernet CU Ports: 8
Gigabit Fiber Ports (SFP): 2 optional (LX, SX, or copper)
Included SSL TPS/Max TPS/Bulk Crypto: 500/10,000/1.5 Gbps
Traffic Throughput: 1.5 Gbps
Dimensions: 1.75"H x 17"W x 21"D 1U industry standard rack-mount chassis
Weight: 20 lbs. (single power); 22 lbs. (dual power)
Operating Temperature: 32° to 104° F (0° 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
Certifications/Susceptibility Standards: EN55022 1998 Class A EN55024 1998 Class A FCC Part 15B Class A VCCI Class A
Power Supply: Dual-power capable; ships with 1 by default
Typical Power Consumption: 165 W
Maximum Power Consumption: 300 W
Maximum Heat Output: 788 BTUs
Input Voltage: 90-240 VAC +/- 10% auto switching 90-132 6A 180-264 3A



1600 Series

Processor: Core2Duo 1.8 GHz
Base Memory: 4 GB
Gigabit Ethernet CU Ports: 4
Gigabit Fiber Ports (SFP): 2 optional (LX, SX, or copper)
Included SSL TPS/Max TPS/Bulk Crypto: 500/5,000/750 Mbps
Traffic Throughput: 750 Mbps
Dimensions: 1.75"H x 17"W x 21"D 1U industry standard rack-mount chassis
Weight: 20 lbs. (single power); 22 lbs. (dual power)
Operating Temperature: 32° to 104° F (0° 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
Certifications/Susceptibility Standards: EN55022 1998 Class A EN55024 1998 Class A FCC Part 15B Class A VCCI Class A
Power Supply: Dual-power capable; ships with 1 by default
Typical Power Consumption: 150 W
Maximum Power Consumption: 300 W
Maximum Heat Output: 488 BTUs
Input Voltage: 90-240 VAC +/- 10% auto switching 90-132 6A 180-264 3A



**F5 Networks, Inc.
Corporate Headquarters**

401 Elliott Avenue West
Seattle, WA 98119
(206) 272-5555 Phone
(888) 88BIGIP Toll-free
(206) 272-5556 Fax
www.f5.com
info@f5.com

**F5 Networks
Asia-Pacific**

+65-6533-6103 Phone
+65-6533-6106 Fax
info.asia@f5.com

**F5 Networks Ltd.
Europe/Middle-East/Africa**

+44 (0) 1932 582 000 Phone
+44 (0) 1932 582 001 Fax
emeainfo@f5.com

**F5 Networks
Japan K.K.**

+81-3-5447-3350 Phone
+81-3-5447-3351 Fax
info@f5networks.co.jp