



## 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 flexibility 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—and still have room to grow.

### Key Benefits

#### Consolidate your infrastructure with purpose-built hardware

BIG-IP hardware platforms are designed specifically for application delivery. One device can be configured for server load balancing, global data center load balancing, web application firewall, HTTP acceleration, spam filtering, and WAN optimization.

#### Offload application servers

BIG-IP systems feature high-performance SSL and compression hardware as well as advanced connection management to remove processing-intensive tasks from application servers and use these resources more efficiently.

#### Secure your network

Instantly add a layer of security with BIG-IP systems, providing default deny security and a full packet filter engine that can limit access in a very granular way.

#### Reduce your operating costs

Spend less time on configuration, upgrades, and maintenance with the simple-to-manage BIG-IP hardware, featuring out-of-band management, front-panel management, warm upgrades, remote boot, and USB support.

#### Maximize uptime

Ensure your critical infrastructure is built on reliable hardware with hot-swappable components, redundant power supplies, redundant fans, compact flash, multi-boot support, and always-on management.

## BIG-IP System



Specifications	8900 Series	6900 Series
Traffic Throughput:	12 Gbps	6 Gbps
Hardware SSL:	Included: 500 TPS Maximum: 58,000 TPS, 9.6 Gbps bulk encryption	Included: 500 TPS Maximum: 25,000 TPS, 4 Gbps bulk encryption
FIPS SSL:		FIPS 140-2 Level 2 (option) 20,000 TPS
Hardware Compression:	Included: 50 Mbps Maximum: 8 Gbps	Included: 50 Mbps Maximum: 5 Gbps
Processor:	Dual CPU, quad core (8 processors)	Dual CPU, dual core (4 processors)
Memory:	16 GB	8 GB
Hard Drive	Two 320 GB drives	Two 320 GB drives
Gigabit Ethernet CU Ports:	16	16
Gigabit Fiber Ports (SFP):	8 LX; SX or copper (4 SX included)	8 LX; SX or copper (4 SX included)
10 Gigabit Fiber Ports (SFP+):	2 SR (sold separately)	
Power Supply:	Dual 850W included	Dual 850W included
Typical Consumption:	450W (110V input)	300W (110V input)
Input Voltage:	90-246 VAC +/- 10% auto switching, 50/60hz	90-240 VAC +/- 10% auto switching, 50/60hz
Typical Heat Output:	1536 BTU/hour (110V input)	1024 BTU/hour (110V input)
Dimensions:	3.5"H x 17.3"W x 21.4"D 2U industry standard rack-mount chassis	3.5"H x 17.75"W x 20.75"D 2U industry standard rack-mount chassis
Weight:	45.5 lbs. (dual power supply)	45.5 lbs. (dual power supply)
Operating Temperature:	32° to 104° F (0° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2	32° to 104° F (0° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2
Relative Humidity:	5 to 85% @ 40° C, per Telcordia GR-63-CORE 5.1.1 and 5.1.2	5 to 85% @ 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	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	EN55022 1998 Class A EN55024 1998 Class A FCC Part 15B Class A VCCI Class A

## BIG-IP System



3900 Series



3600 Series



1600 Series

Specifications	3900 Series	3600 Series	1600 Series
Traffic Throughput:	4 Gbps	2 Gbps	1 Gbps
Hardware SSL:	Included: 500 TPS Maximum: 15,000 TPS, 2.4 Gbps bulk encryption	Included: 500 TPS Maximum: 10,000 TPS, 2 Gbps bulk encryption	Included: 500 TPS Maximum: 5,000 TPS, 1 Gbps bulk encryption
Software Compression:	Included: 50 Mbps Maximum: 3.8 Gbps	Included: 50 Mbps Maximum: 1 Gbps	Included: 50 Mbps Maximum: 1 Gbps
Processor:	Quad core CPU	Dual core CPU	Dual core CPU
Memory:	8 GB	4 GB	4 GB
Hard Drive	300 GB, 10K RPM	320 GB	320 GB
Gigabit Ethernet CU Ports:	8	8	4
Gigabit Fiber Ports (SFP):	4 optional LX, SX, or copper	2 optional LX, SX, or copper	2 optional LX, SX, or copper
Power Supply:	One 300W included, dual power option	One 300W included, dual power option	One 300W included, dual power option
Typical Consumption:	175W (110V input)	165W (110V input)	150W (110V input)
Input Voltage:	90-240 VAC +/- 10% auto switching	90-240 +/- 10% VAC auto switching	90-240 +/- 10% VAC auto switching
Typical Heat Output:	598 BTU/Hour (110V input)	563 BTU/hour (110V input)	512 BTU/hour (110V input)
Dimensions:	1.75"H x 17"W x 21"D (per unit) 1U industry standard rack-mount chassis	1.75"H x 17"W x 21"D (per unit) 1U industry standard rack-mount chassis	1.75"H x 17"W x 21"D (per unit) 1U industry standard rack-mount chassis
Weight:	20 lbs. (one power supply)	20 lbs. (one power supply)	20 lbs. (one power supply)
Operating Temperature:	32° to 104° F (0° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2	32° to 104° F (0° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2	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	10 to 90% @ 40° C, per Telcordia GR-63-CORE 5.1.1 and 5.1.2	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	UL 60950 (UL1950-3) CSA-C22.2 No. 60950-00 (bi-national standard with UL 60950) CB TEST CERTIFICATION TO IEC 950 EN 60950	UL 60950 (UL1950-3) CSA-C22.2 No. 60950-00 (bi-national standard with UL 60950) CB TEST CERTIFICATION TO IEC 950 EN 60950
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## More Information

Visit these resources on F5.com to learn more about the BIG-IP family of products.

### Datasheets

[BIG-IP® Local Traffic Manager™](#)

[BIG-IP® Global Traffic Manager™](#)

[BIG-IP® Application Security Manager™](#)

[BIG-IP® Link Controller™](#)

[BIG-IP® Secure Access Manager™](#)

[BIG-IP® WebAccelerator™](#)

### Reports

[F5 Application Delivery Controller  
Performance Report](#)

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