



The FastSoft E Series™: Speed, simplicity, security & control



As Internet services become increasingly important for business workflow and digital product fulfillment, “content” is evolving to include video, CAD, software upgrades, subscription data services and other large digital files that often prove slow to download via the Web. FastSoft’s E Series Internet accelerators speed the transfer of centralized content to locations anywhere in the world, without requiring hardware or software at the recipient sites.

The FastSoft E Series is the only solution to deliver to 3 to 7, or as high as 30, times of Internet acceleration, along with the security and simplicity of centralized distribution. Unlike two-sided acceleration methods, E Series requires no hardware or software at the destination endpoints, and no tweaking of servers or applications at the central site. Companies can maintain private content distribution networks without building regional data centers, caching or compressing data, or subscribing to costly third-party distribution services.

Conceived by the CalTech team that developed FastTCP® in 2004, FastSoft’s patented acceleration technique optimizes TCP, the leading Internet communication protocol, to achieve more intelligent, efficient transmission. E Series offers end-to-end acceleration across the first and last miles as well as the cloud.

The FastSoft E Series equips large media, entertainment, technology and subscription content providers to speed the delivery of paid content, and to extend the speed and savings of online distribution to include new rich media.

E Series comprises five models ranging from 10Mbps through 1Gbps throughput capacity. All models support copper interfaces, and some models support fiber as well.

For ultimate network resiliency, the FastSoft E Series ships with a mechanical bypass unit. Fault-tolerance can be further enhanced by using the FastSoft E Series High Availability (E Series HA) configuration to ensure that delivery of content will not be impacted by network component failure. E Series HA eliminates single points of failure while employing advanced failover capabilities.

Benefits

Speed:

Average speed increases of 3 to 7, or as high as 30, times faster

Scalability:

No hardware or software at endpoints; seamless migration from 10 Mbps to 1 Gbps

End-to-End Acceleration:

Includes first, middle and last miles

Simplicity:

No modification of applications or servers; no compression, no caching

Savings:

Eliminates the need to build remote data centers or collocation facilities; reduces bandwidth usage

Security:

Global content distribution with no third-party handoffs

Specifications

Model	E 10	E 50	E 100	E 200	E 1000
Throughput	10Mbps	50Mbps	100Mbps	200Mbps	1Gbps
Suggested # Concurrent Flows	40	200	400	800	4000
Maximum # Concurrent Flows	10,000	10,000	10,000	10,000	10,000

Networking

In Line Latency: < 1ms

Interface: 1GBase-T and 1GBase-SX

Compatible Layer Two Protocols:
802.1Q, 802.1s, 802.1w

Protocol Accelerated: TCP/IP

E Series Control Center/ Network Management

Management Interfaces: HTTP, HTTPS, SNMP

Browser Supported: IE 6.0 and above, Firefox 2.0 and above, Safari 3.1

Processor & Memory

Processors: Dual Core Xeon E3110 Processor 3.0 GHz

Cache: 6 MB

Memory: 2 GB

Power Requirements

Power Supplies: 1

Watts (Power): 345

Amps (at 120/240VAC): 2

BTU: 1177.14

Operating Environment

Operating Temperature: 10° to 35°C (50° to 95°F)

Operating Relative Humidity: 20% to 80% (noncondensing) with a maximum humidity gradation of 10% per hour

Operating Maximum Vibration: 0.25 G's 0-Peak, 3-200 HZ sweep @ ½ Octaves/minute

Operating Maximum Shock: 31G, 2.6ms, 20inch/sec, bottom side

Operating Altitude: -16 to 3048 m (-50 to 10,000 ft.)

Storage Temperature: -40° to 65°C (-40° to 149°F)

Storage Relative Humidity: 5% to 95% (noncondensing)

Storage Maximum Vibration: 1.54 GRMS – 6 sides @ 15 min/side

Storage Maximum Shock: 71G, 2ms, 35inch/sec, 6 sides; 32G, 2ms, 270inch/sec, 6 sides

Storage Altitude: -16 to 10,600 m (-50 to 35,000 ft.)

Physical Specifications

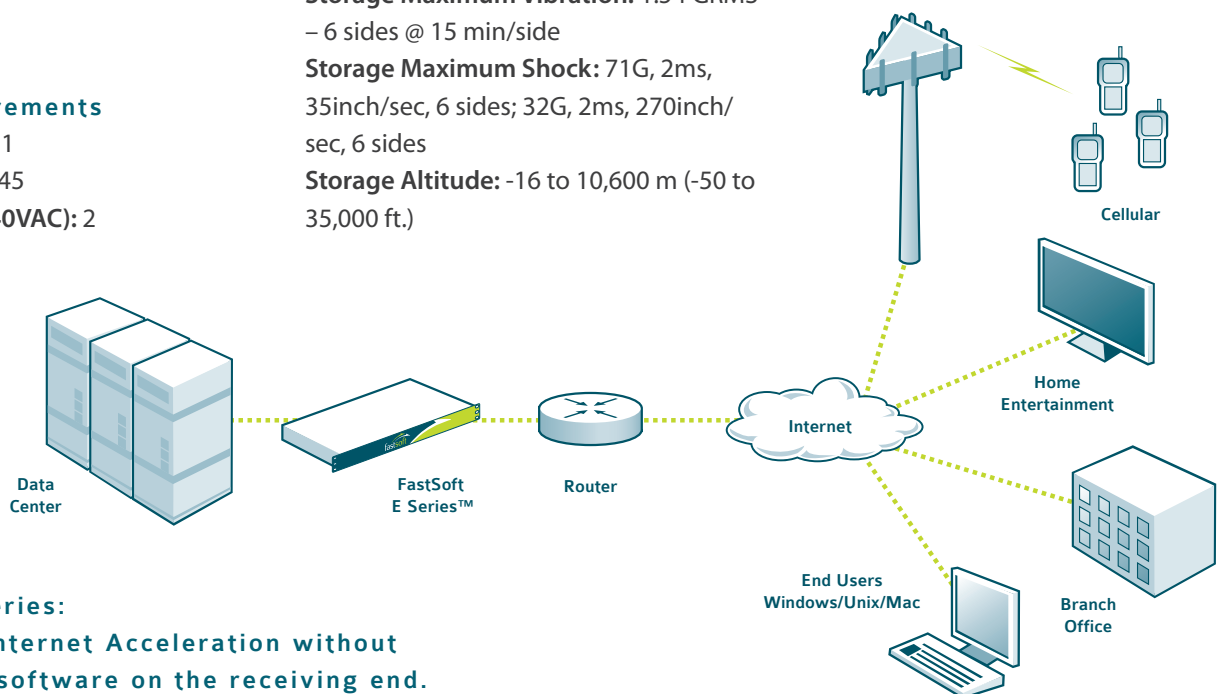
Form Factor: 1U Rack-mountable chassis

System Dimensions: 21.50" (54.61 cm) D x 17.60" (44.70 cm) W x 1.68" (4.27 cm) H

Weight: 26.0 lbs. (11.80kg)

Safety and Compliance

Hardware Certifications: UL, CE, RegTP



FastSoft E Series:

Centralized Internet Acceleration without hardware or software on the receiving end.