

10-Gigabit Ethernet switches are cost-effective choices for many network needs

Company	Product	Maximum ports	Aggregate switches capacity	Chassis	Key features as specified by vendor	Price
Alcatel Internetworking Inc. Calabasas, Calif. 800-995-2612 www.alcatel.com	OmniSwitch 8800	One 10-Gigabit Ethernet, 384 Gigabit Ethernet	512 Gbps	18-slot, 38.4-inch by 17.4-inch by 17.3-inch	True 10-Gigabit Ethernet with full 10-Gbps throughput per slot, 10/100/1000/10-Gigabit Ethernet nonblocking and full-duplex, smart continuous switching, multilayer security, authenticated services and VLAN support, enhanced ACLs, NAT and PAT, application-aware switching (layers 2, 3 and 4), embedded wire-speed server load balancing, IP/IPX routing, IP multicast switching, MPLS and IPv6 support	Sold through channel partners only
Atrica Inc. Santa Clara, Calif. 408-562-9400 www.atrica.com	A-8100	15 10-Gigabit Ethernet or up to 120 Gigabit Ethernet	150 Gbps	17-slot, 1/3 rack chassis	Employs a standard MPLS architecture to deliver scalable flow management, sub-50-millisecond failure recovery, redundant DC power, full redundancy of all common equipment	n/a
Cisco Systems Inc. San Jose, Calif. 408-426-4000 www.cisco.com	CEF720, a four-port 10-Gigabit Ethernet interface module for its Catalyst 6500 switch	Four 10-Gigabit Ethernet	360 Gbps	n/a	One of three 10-Gigabit Ethernet modules for the Catalyst 6500 switch, enables bandwidth-intensive applications (storage networking, e-learning, imaging, 3-D modeling, grid computing), smooth migration path from Gigabit EtherChannel, high port density (up to 32 ports per system), end-to-end Cisco Catalyst 6500 solutions, scalable and predictable performance, superior traffic management, choice of media and optics, maximum uptime, extensive management tools	\$8,000 up per module
Enterasys Networks Inc. Andover, Mass. 978-684-1000 www.enterasys.com	Matrix N3 Enterprise Switch	Two 10-Gigabit Ethernet, 12 Fast Ethernet (for network distribution mode)	240 Gbps	Three-slot, 14-inch by 19.5-inch by 17.5-inch, 42 pounds	Used for network edge deployment, distribution deployment or server aggregation deployment; all failures isolated to one engine (stateful failover); inherently scalable as engines are added; simplified system maintenance (all engines have the same firmware version and each engine keeps a copy of the current configuration)	Sold through channel partners only
	Matrix N7 Enterprise Switch	Same	Scales to 1.68 Tbps	Seven-slot, 30.5-inch, 14.5-inch by 17.34-inch	Used for network edge deployment, distribution deployment or server aggregation deployment; all failures isolated to one engine (stateful failover); inherently scalable as engines are added; simplified system maintenance (all engines have the same firmware version and each engine keeps a copy of the current configuration)	Sold through channel partners only
Extreme Networks Inc. Santa Clara, Calif. 408-579-2800 www.extremenetworks.com	BlackDiamond 6804	Four 10-Gigabit Ethernet, 48 Gigabit Ethernet, 384 Fast Ethernet	256 Gbps	Six-slot, 19.25-inch by 17.32-inch by 19-inch, 57.5 pounds	Advanced fault tolerance, advanced connectivity, extensive management capability, comprehensive security, wire-speed switching and routing, optional POS and ATM modules	\$21,985 up
	BlackDiamond 6816	16 10-Gigabit Ethernet, 192 Gigabit Ethernet, 1,440 Fast Ethernet	768 Gbps	20-slot, 61.25-inch by 19-inch by 19-inch, 75.4 pounds	Advanced fault tolerance, advanced connectivity, extensive management capability, comprehensive security, wire-speed switching and routing, optional POS and ATM modules	\$26,623 up
Force10 Networks Inc. Milpitas, Calif. 408-571-3500 www.force10networks.com	E1200	28 10-Gigabit Ethernet, 336 Gigabit Ethernet	1.44 Tbps	16-slot (other specs not listed)	Highest available scalability, carrier-class redundancy and availability, line-rate, nonblocking forwarding performance, full Layer 2 switching and Layer 3 routing	\$110,000 up
	E600	14 10-Gigabit Ethernet, 168 Gigabit Ethernet	768 Gbps	Eight-slot (other specs not listed)	48-Gbps throughput per slot, predictable line-rate performance, robust Layer 2 and Layer 3 functionality, denial-of-service attack prevention	\$50,000 up
Foundry Networks Inc. San Jose, Calif. 408-586-1881 www.foundrynet.com	Bigiron MGB	32 10-Gigabit Ethernet, 80 Gigabit Ethernet	1.28 Tbps	Eight-slot, 26.25-inch by 17.5-inch by 24-inch	40-Gbps switching per slot, wire-speed layer 2 and 3 switching, policy-based routing, redundant management modules, individual dedicated switch fabric of 20 Gbps for management and control functions within the switch	\$64,995 with 4-Port 10-Gigabit Line Card
Hewlett-Packard Co. Palo Alto, Calif. 650-857-1501 www.hp.com	ProCurve Routing Switch 9304m	Six 10-Gigabit Ethernet, 32 Gigabit Ethernet, 144 Fast Ethernet	To 345 Gbps	n/a	Extended port density; wire-speed traffic accounting and monitoring; T-Flow traffic monitoring; Layer 4 prioritization; IP, IPX and AppleTalk routing; high security levels; policy-based virtual LANs; optional redundant power supply; automatic routing switch failover; Web browser management	\$35,479 up
	ProCurve Routing Switch 9308m	14 10-Gigabit Ethernet, 120 Gigabit Ethernet, 336 Fast Ethernet	To 345 Gbps	n/a	Extended port density; wire-speed traffic accounting and monitoring; T-Flow traffic monitoring; Layer 4 prioritization; IP, IPX and AppleTalk routing; high security levels; policy-based virtual LANs; optional redundant power supply; automatic routing switch failover; Web browser management	\$41,279 up
Nortel Networks Ltd. Richardson, Texas 972-684-1000 www.nortelnetworks.com	Passport 8600	One- and two-port 10-Gigabit Ethernet Routing Switch modules, 128 Gigabit Ethernet, 32 Fast Ethernet	n/a	Four chassis types from 10-slot to three-slot	Wire-speed switching and routing over fiber and copper media; available in a 10-slot chassis for high-performance backbones, six-slot chassis where space is at a premium and a three-slot chassis for customer premises, small enterprise networks and edge switch applications; Sonet and ATM modules available	\$28,905 for chassis only
Riverstone Networks Ltd. Santa Clara, Calif. 408-878-6500 www.riverstonenet.com	XGS 9008	Eight 10-Gigabit Ethernet, 160 Gigabit Ethernet	n/a	Eight-slot, 22.75-inch by 17.25-inch by 21-inch, 91 pounds	Massively scalable, line-rate Gigabit and 10-Gigabit Ethernet, carrier-class reliability with fault-tolerant architecture for both hardware and software, full Layer 2 and Layer 3 support, industry-standard management features	\$29,980
	XGS 9016	16 10-Gigabit Ethernet, 160 Gigabit Ethernet	n/a	6-slot, 35-inch by 17.25-inch by 21-inch, 134 pounds	Massively scalable, line-rate Gigabit and 10-Gigabit Ethernet, carrier-class reliability with fault-tolerant architecture for both hardware and software, full Layer 2 and Layer 3 support, industry-standard management features	\$43,000
3Com Corp. Santa Clara, Calif. 408-326-5000 www.3com.com	Switch 7700	48 Gigabit or 288 Fast Ethernet ports (10-Gigabit Ethernet is pending)	96 Gbps	Seven-slot, 19.1-inch by 17.2-inch by 18.9-inch	IEEE 802.3ae capability, Layer 3 routing, hot-swappable modules, redundant power supplies, quality of service and bandwidth management, network log-in and access control security, Layer 3 protocol authentication security, hardware multicast routing, rules-based packet ID	\$21,995 for seven-slot starter kit
Vivace Networks Inc. San Jose, Calif. 408-432-7700 www.vivacenet.com	Viva 5100 Multi-Service IP Switch	16 10-Gigabit Ethernet, 256 Gigabit Ethernet	320 Gbps to 2.5 Tbps	35-inch by 21.625-inch by 29.5-inch	Service-edge switching platform offering business-class IP, frame relay, ATM, Ethernet and private line service; wire-speed IP forwarding; extensive queuing scalability, carrier-class redundancy	n/a