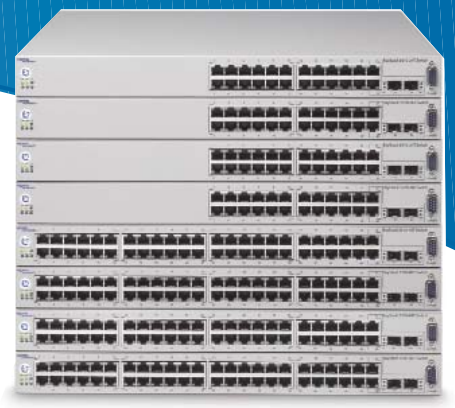

Nortel Networks
BayStack 5510 Switches

Part of Nortel Networks BayStack 5000 Series, BayStack 5510 Switches are next-generation stackable 10/100/1000 Mbps Ethernet Layer 3 routing switches. Designed to provide affordable, high-density Gigabit desktop connectivity to mid-size and large enterprise customers' wiring closets, BayStack 5510 Switches offer greater performance, security, resiliency, and more IP services to the network edge while maintaining low capital and operational expenses.

Available in two models—BayStack 5510-48T Switch with 48 10/100/1000BASE-T RJ-45 ports and BayStack 5510-24T Switch with 24 10/100/1000BASE-T RJ-45 ports—both feature two built-in SFP (small form factor) GBIC ports for uplink and two built-in stacking ports.

Key features comparison

Features	BayStack 5510-48T	BayStack 5510-24T	Cisco Catalyst 3750G-24TS ^^^
U.S. List Price	**$6,995**	**$4,995**	**$6,995**
Price per port	$146	$208	$291
10/100/1000 ports per unit	48 (1 RU)	24 (1 RU)	24 (1.5 RU)
Max.10/100/1000 per stack^^	384 (8 RU)	360^ (8 RU)	216 (11 RU)
Number of SFP ports	2	2	4
Compact 1RU high in all models	Yes	Yes	No
Fail-safe stackability	Yes	Yes	Yes
Stacking bandwidth	640 Gbps	640 Gbps	32 Gbps
Switch fabric	160 Gbps	160 Gbps	32 Gbps
Recessed stack connectors	Yes	Yes	No
Distributed Multi-Link Trunking	Yes	Yes	Yes
QoS (DiffServ) support	Yes	Yes	Yes
Hardware-based queues	8	8	4
802.1x Extensible Authentication	Yes	Yes	Yes
SNMPv3 support	Yes	Yes	Yes
Traffic policing & IP traffic shaping	Yes	Yes	No
IGMP snooping	Yes	Yes	Yes
Layer 3 routing	Yes†	Yes†	Yes

† Future software release
RU = Rack unit height
^ For a stack with 7 48-port & 1 24-port units
^^ For a stack with 16 SFP GBIC uplinks
^^^ Based upon information posted at www.cisco.com as of 4/4/2003.

Key features and benefits

- **High-density Gigabit desktop connectivity**—Up to eight switches can be stacked to achieve up to 384 10/100/1000 ports in a stack. *Pay as you grow while saving premium closet space.*
- **Innovative FAST stack design**—FAST (Flexible Advanced Stacking Technology) stack design allows for simultaneous bi-directional traffic flow on each stacking port, resulting in up to 640 Gbps stacking bandwidth for the stack—the highest stacking bandwidth in the industry today. *Faster traffic flow across the stack provides support for bandwidth-intensive applications.*
- **High-performance switch fabric of 160 Gbps**—Wire-speed performance. *No dropped packets. Helps future-proof.*
- **Compact form factor**—One-rack unit high design allows a stack to support up to 384 10/100/1000 ports in 8RU space. *Saves premium space in the wiring closet.*
- **Layer 3 routing**†– Allows hardware-based Layer 3 routing at wire-speed and across the stack. *Helps future-proof the network.*

† Future software release.

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