

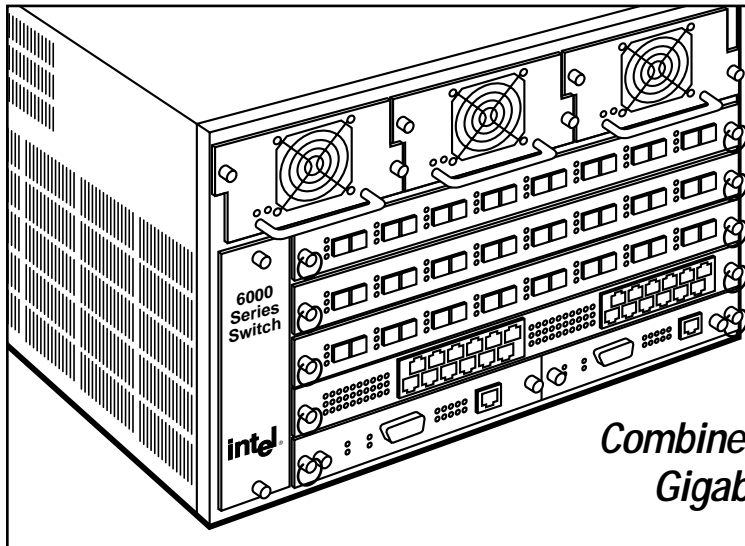


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BLACK BOX[®]

NETWORK SERVICES

NETSTRUCTURE 6000 5-SLOT STARTER CHASSIS



Combine high performance with multi-layer Gigabit switching in your data centre.

Key Features

- ▶ **Provides maximum uptime with redundancy and hot-swappable components.**
- ▶ **Modular design for custom configurations.**
- ▶ **High performance with over 41 Mpps Layer 3 forwarding.**
- ▶ **Reliable enough for mission-critical applications.**

Designed for high-traffic aggregated areas, the NetStructure™ 6000 5-Slot Starter Chassis is the newest switch to combine high performance with multi-layer Gigabit switching capabilities to meet all your needs.

With its modular design, the NetStructure 6000 can be configured to your exact specifications. And its modules handle the highest throughput, meaning your applications won't bog down.

Capable of supporting up to 32 Gigabit Ethernet ports, 96 10/100 Fast Ethernet ports, and numerous media module combinations, this switch has the support to handle your most demanding tasks.

With a forwarding rate of over 41 Mpps, you'll always get high-performance switching in your choice of configurations. And with a switching capacity of 40 Gbps, you'll have the option for network scalability—simply expand as your networking needs change.

With hot-swappable components and load-sharing power supplies, network downtime is kept to an absolute minimum. This also guarantees that the network can be serviced without the inconvenience of having to shut down.

When ordering the 5-Slot Chassis, you'll also need the following components:

- NetStructure 6000 Power Supply: Additional hot-swappable units may be added. Configurations using

four media modules require two power supplies.

- NetStructure 6000 Fan Unit: For rackmounting, this fan module gives you the horizontal airflow you need. The multi-fan tray is monitored by the control processor.
- NetStructure 6000 Control Processor: In addition to monitoring system temperature, cooling fans, and system configuration, the processor also contains the switching fabric. Each carrier module supports as many as two control processors.
- NetStructure 6000 Media Modules: 8-Port 1000BASE-SX, 1000BASE-LX/1000BASE-SX (4 LX and 4 SX ports per module), 24-Port 10/100TX.



Specifications

NetStructure 6000 Chassis

Management: Telnet, Embedded Web Server, Intel® Device View, SNMP Dedicated 10/100 port (RJ-45); Console (RS-232), SLIP and PPP, RMON-1

Standards: IEEE 802.3x Active Flow Control, IEEE 802.1d Spanning-Tree Protocol, IEEE 802.1ad Link Aggregation, 802.1Q VLANs, 802.1Q Prioritization Traffic Control, 2048 (port-based) VLANs, RIP1, RIP2, OSPF, Static Routes Layer 3 Routing

Power: 85–264 VAC (autosensing), 47–63 Hz, 7.5 A @ 115 V, 3.4 A @ 240 V

Size: 19"H x 10.5"W x 17.9"D (48.3 x 26.7 x 45.4 cm)

Weight: Min: 76 lb. (34 kg); Max: 100 lb. (45 kg)

Media Modules

Duplex Support: 10/100BASE-TX: Half, full, auto-negotiation; 1000BASE-SX: Full, auto-negotiation; 1000BASE-LX/SX: Full, auto-negotiation

Speed: 10/100BASE-TX: 10-/100-Mbps, auto-negotiation; 1000BASE-SX: 1000-Mbps, auto-negotiation; 1000BASE-LX/SX: 1000-Mbps, auto-negotiation

Connectors: 10/100BASE-TX: RJ-45; 1000SX: SC; 1000BASE-LX/SX: SC

Indicators: Status LEDs/Per Port LEDs: 10/100BASE-TX: Status/Link, 100Mbps, activity; 1000BASE-SX: Status/Link, RX, TX; 1000BASE-LX/SX: Status/Link, RX, TX

Size: All: 14.75"H x 17.25"W (37.5 x 43.8 cm)

Weight: 10/100BASE-TX: 10 lb. (4.5 kg); 1000BASE-SX/1000BASE-LX/SX: 11 lb. (5 kg)

Ordering Information

ITEM	CODE
NetStructure 6000	
5-Slot Starter Chassis.....	ES6000MC
Power Supply.....	ES6000PSU
Fan Unit.....	ES6000FAN
Control Processor.....	ES6000CPR
Carrier Module.....	ES6000CM
Media Modules	
24-Port 10/100BASE-TX.....	ES6024TX
8-Port 1000BASE-SX.....	ES6108SX
4-Port 1000BASE-SX/ 4-Port 1000BASE-LX.....	ES6104SX4LX

