

Passport 4400 Multiservice Access Switch



Overview

Nortel Networks Passport 4400 Series Multiservice Access Switches provide robust and flexible networking for all types of branch traffic. Voice, fax, video, LAN and other data services such as frame relay, SNA, SDLC, X.25, async and HDLC are carried over a choice of link options to provide efficient, reliable and easily managed services for mission-critical, time-sensitive applications.

Customer Profile

The Passport 4400 Multiservice Access Switch delivers powerful, integrated multiservice networking for the Enterprise. It is typically used as a central site solution for small- to medium-sized networks. The Passport 4400 is also ideal for large Enterprise or carrier networks, providing high performance branch access. Fully scalable, it is suitable for remote networks comprising as few as two nodes to as many as several thousands when deployed in conjunction with the Passport 6400 or 7400 series.

Defining needs

- Do you want to reduce your STD and ISD telephone charges? The Passport 4400 allows the integration of voice and data networks to allow long distance calls to be carried over the data backbone with full voice quality.
- Do you want to consolidate all of your legacy data services? The Passport 4400 allows legacy X.25, async, SNA and other proprietary host networks to be carried over a single network infrastructure.

Typical Applications

Nortel Networks recognises that deploying separate networks for voice, video and data is a challenging task. It leads to ineffective bandwidth use, application inflexibility and added complexity. The solution is network consolidation over a single platform. Network consolidation provides cost savings, improves business communications and increases efficiency.

Nortel Networks Passport 4400 Multiservice switches provide flexible networking for all types of branch office traffic over a single network infrastructure. Voice, fax, video, LAN and other data services such as Frame Relay, SNA, SDLC, X.25, async and HDLC are carried over a choice of link options to provide efficient, reliable and easily managed services for mission-critical applications.

The Passport 4400 switches add value to enterprise networks through key benefits such as:

- **Bandwidth Savings** - achieve bandwidth savings through dynamic bandwidth allocation, voice and data compression, silence suppression, fax demodulation and optimised LAN access protocols.
- **Branch Office Consolidation** - the Passport 4400 provides access consolidation for your branch office including voice, fax, video, LAN, SNA and data services across a single network link
- **Scalability** - the Passport 4400 can support thousands of nodes when used with the Passport 6400 series of ATM Enterprise network switches.
- **Low Cost of Operations** - the Passport 4400 is based on switched virtual circuits, avoiding a large number of provisioned connections.

Key Points

- The Passport 4400 Series includes the Passport 4430, Passport 4450, Passport 4455 and Passport 4460
- The Passport 4430 model provides the lowest cost solution for branch office termination

- The Passport 4450 provides added termination capacity for larger branch and small regional offices
- The Passport 4455 model provides additional performance to address the needs of large regional and small central site requirements
- The Passport 4460 model delivers the performance and voice termination capacity to address the central site requirements of small to medium-sized networks
- For large networks, central site traffic termination can be provided via the Passport 6400 series
- Multiple classes of service (5), integrated for end-to-end QoS
- Priorities mapped to backbone ensure end-to-end quality and integrity
- Prioritisation for various IP applications
- Key reliability and network assurance features
- Low-cost dial-backup for all traffic, integrated redundant power, commit and auto-rollback (s/w & config), backup & restore configs; proven cost-effective mission-critical networks
- Award-winning voice services
 - proven voice quality
- Full 24/30 channels of the standard G.729 voice
- "Single-hop" call routing across the network

Features and Benefits

- Cost-effectiveness and scalability - ease of provisioning and maintenance using SVCs and SPVCs plus ongoing manageability simplified by integrated network management
- Integrated WAN solution end-to-end from single vendor - Passport 6400/7400 for high-performance at large sites, Passport 4400 optimised for lots of smaller branch sites
 - integrated solution

Ordering Information

For further information, please contact your local Nortel Networks Representative.