



24 + 2 Port MDU HPNA Ethernet Manageable Switch



Features :

- 24 HomePNA 1.0/1.1 ports
- 2x10/100Mbps TX/FX ports with separate module
- Each port can be on/off via network management
- Bandwidth can be controlled on each port (rate control)
- Forwarding and Filtering at full wire speed
- Up to 64k Mac addresses
- Single Store and Forward at Ingress Port
- Cut-Through Switching at Destination Ports
- Supports IP Multicasting with IGMP snooping
- Supports spanning tree with CPU, on per port VLAN basis

Traffic Classification:

- 4 transmission provides for Fast Ethernet ports
- 2 dropping levels
- Classification based on:
 - VLAN priority field in VLAN tagged frame
 - DS/TOS field in IP packet
- UDP/TCP logical ports: 8 hard-wired and 8 programmable ports, including one programmable range.

Packet Filtering & Port Security:

- Static address filtering for source and/or destination MAC
- Static MAC address not subject to aging
- Secure mode freezes learning. Each port may independently use this mode
- Backpressure flow control for Half Duplex ports
- Supports per-system option to enable flow control for best effort frames even on QoS-enabled ports



- Support Ethernet multicasting and broadcasting control
- Port trunking groups, one for the 10/100 ports, and two groups for HPNA ports, with up to 4 HPNA ports per group
- Port Mirroring: to any two of 0-23 ports
- Support Stacking mode up to 32 systems

Qos Support:

- Support IEEE 802.1p/Q Quality of Service with transmission priority queues with delay bounded, strict priority, and WFQ service disciplines.
- Provides 2 levels of dropping precedence with WRED mechanism.
- User controls the WRED thresholds
- Buffer management: per class and per port buffer reservations.
- Port-based priority: VLAN priority with tagged frame can be overwritten by the priority of PVID

Management:

1) An administration console

- a. Using Menu driven console text via the RS232 connector on the the MCU module.

2) Web-based network management

- a. Web browser support based on HTTP server and CGI parser.

3) SNMP Management Agent and MIB II

- a. Sun Solaris HP OpenView, Castle Rock Computing SNMP etc.

4) Telnet Management

- a. Like a remote administration console.

5) Others

- a. TFTP, BOOTP Client, Boot Server, Radius Client, RMON and Storage for Ethernet Agent, IEEE 802.1d Spanning Tree, IEEE 802.1 P/Q GARP/GVRP, RIP-1, RIP2, IGMP Snooping.

Specification :

Power Supply	-	100/265 VAC; 47 to 65 Hz Power; Max <35W
Dimension	-	EIA 1U Rack Mount Size
Temperature	-	0 to 50C
Humidity	-	5% to 95% non-condensing