PRODIGY

PRODIGY   LAYER 2 ACCESS SWITCH

PD1-S21-5081

Managed Gigabit Ethernet Switch

FEATURES

Excellent performance
◎ 24 Gbps switch fabric.
◎ Giga optical fiber supports up to 80 km long-distance transfer, direct connection to MAN backbone networks.

Flexibility
◎ Port1-4 are TX/SFP combo.

Security and reliability
◎ Support port mirroring.
◎ VLAN to isolate users for performance & security.
◎ QinQ supported.
◎ 802.1x supported.

Easy maintenance
◎ Management via CONSOLE port, Web, SNMP, etc.
◎ BootRom and other software upgrade through TFTP.
◎ Support SFP standard interface, protect your investment.
◎ 802.3ah: Discovery, Link Monitoring, Remote Failure Indication.

Powerful traffic and broadcast management
◎ Port trunks technology can make a loading balancing links. Each link can reach 24G bandwidth, support up to 8 links.
◎ Effectively control multicast and broadcast storm.
◎ Jumbo frame .

TECHNICAL SPECIFICATIONS

Standard
• IEEE 802.1D STP
• IEEE 802.1w RSTP
• IEEE 802.1x port-based user authentication
• Remote authentication through RADIUS
• User privilege classification and password protection

Interface
Port: 6 10/100/1000M TX, 2 GSFP/TX Combo, 1 Console Port

Performance
Switch Fabric: 24 G
Forwarding Mode: Store-and-forward
MAC Address Table Size: 8 K
Jumbo frame: 9612
VLAN: Port-based VLAN, 802.1Q tag VLAN, Private VLAN, GVRP dynamic VLAN configuration, QinQ
Traffic Control: Back pressure at half-duplex, 802.3x at full-duplex, CAR support, 64K step size for 100-M ports, 8 M step size for Gigabit ports
Multicast Control: IGMP snooping
Port Trunking: Up to 12 groups with up to 24 ports per group, dynamic LACP or static aggregation
Port Mirroring: Supported. Can be based on flow classification

QoS:
• Head Of Line (HOL) blocking prevention mechanism
• 4 dispatching queues per port, mapping the 8 priority queues in 802.1p
• Best Effort Service
• Strict Priority
• Weighted Round Robin
• 802.3ah: Discovery, Link Monitoring, Remote Failure Indication
Network Management:
• SNMP v1/v2
• RMON(Group 1, 2, 3, 9)
• Telnet
• Command Line Interface(CLI)
• Web interface
• Support PRODIGY network management tools suite: Prodigy Director
• NTP
Software Upgrade: TFTP/FTP
Configuration Upload/download: TFTP/FTP

Environmental Limits
Operating Temperature: 0 ~ 50°C,
non-operating Temperature: -40 ~ 70°C
Humidity: 0 ~ 90% (no condensing)

Warranty
1 year

OPTIONAL ACCESSORIES

For Optional Fiber Module, please refer to Spectrum Terrabit Transceiver.

ORDERING INFORMATION

Model	Description
PD1-S21-5081	Gigabit management switch, 6 ports 10/100/1000M TX + 2 ports 10/100/1000M TX/Gigabit SFP Combo