



Layer 3 Subscriber Switch

LOCUS Networks

Premier 406-F

Premier 406F 가

가 , IP DSLAM , 10/100Mbps

2 가 3 Wire-Speed

Premier 406F Non-blocking Switch Fabric

Store-and-Forward

Premier 406-FX 6 10/100BASE-TX(UTP) 2 100BASE-FX(SC Type)
 FX 40Km 100BASE-

Premier 406-FX / 가



기본사양 및 성능

- 2 100Base-FX ports (Multimode/Singlemode)
- Up to 6 10/100Base-TX ports (Fixed)
- 2.6 Gbps Non-Blocking Switch Fabric
- Max 1.2 Mpps L2/L3 Switching/Routing
- Up to 8,192 MAC address
- Up to 4,096 VLANs

제품특징

- 안정적인 하드웨어 기반의 Wire-speed 스위칭 및 라우팅 수행
- 라우팅 프로토콜 탑재를 통한 3계층 스위칭 네트워크 구성
- Wire-speed IP 멀티캐스트 라우팅 지원
- 하드웨어 기반 대역폭 관리 기능 (1Mbps단위로 대역폭의 제한 및 보장)
- 패킷 필터링 및 ACL을 통한 신뢰성 있는 네트워크 보안 기능
- 최대 40Km의 광 인터페이스 기반 장거리 연결 제공
- DHCP, STP(Spanning Tree Protocol), PSTP, VLAN(Virtual LAN) 지원
- 관리자에게 편리한 운용관리기능 (TFTP, CLI, Telnet, Syslog, SNMP I / II, Agent, RMON)

응용분야

- Dynamic and Distributed Service, Internet or Data Traffic Delivery to the MAN
- 비즈니스 및 가정 가입자에게 초고속 인터넷 서비스 제공
- Virtual Private Leased Line Service
- Client-Server 환경
- SOHO Network 구축

100BASE-FX	50/125 μm Multi-mode Fiber	SC Type	2Km
	62.5/125 μm Multi-mode Fiber	SC Type	2Km
	9/125 μm Single-mode Fiber	SC Type	15Km
	9/125 μm Single-mode Fiber	SC Type	40Km
10/100BASE-TX	Category 5 and higher UTP Cable	RJ-45 Type	100m



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Premier 406F Hardware Specification	
System Architecture	2 fixed 100Base-FX ports 6 fixed 10/100Base-TX ports
Main Processor	MPC 8240 266Mhz Processor
Memory	128MB Main(Up to 256M) 4MB Flash Memory 1MB for Boot
Physical Dimension	19" Rack Mount Type 44mm(H) x 482.6mm(W) x 277mm(D) 5Kg maximum
Environment Conditions	
Power Supply	110~220 VAC / 50~60 Hz
Heat Dissipation	35W Maximum
Operating Temperature	0 ~ 50
Storage Temperature	-10 ~ 70
Operating Humidity	0~90% relative humidity
Media Interface	
Interface Type	100Base-FX : 2 ports 10/100Base-TX: 6 ports (Auto-negotiation)
Console	RS-232C Serial Port (RJ-45 type)
Performance	
Switch Fabric Performance	2.6Gbps non-blocking (Store and Forward)
Throughput	1.2 Mpps wire-speed L2/L3 switching/routing
Capacity	
MAC Address	Up to 8K MAC Addresses Management
VLAN	4K VLANs
Filter	1,024 Access/Security control filters
Services and Features	
Routing Protocol	RIP v1/v2, OSPF v2, BGP v4 Static, Default gateway Loop-back interface
Port Management	Port Mirroring, Port Trunking
IP Multicasting Protocol	IGMP v2.0, IGMP snooping, PIM-SM
Bandwidth Management	Rate Limiting and guarantee with megabit resolution Hardware Rate Limiting Symmetric and Asymmetric Rate Limiting

Security	System access control by Packet Filtering Subscriber Traffic control by ACLs(Access Control Lists)
Standards	
Standard Protocols	IEEE 802.1D Spanning Tree Protocol IEEE 802.1p Priority Control IEEE 802.1Q VLAN IEEE 802.3u 100Base-X Fast Ethernet IEEE 802.3x Flow Control IEEE 802.3ad Link Aggregation IETF RFC 768 UDP IETF RFC 791 IP IETF RFC 793 TCP IETF RFC 1058 RIP v1 IETF RFC 1112 IGMP IETF RFC 1723 RIP v2 IETF RFC 2131 DHCP IETF RFC 2178 OSPF v2 IETF RFC 1771 BGP4 IETF RFC 2236 IGMP v2 IETF RFC 2362 PIM-SM
Operation and Management	IETF RFC 783 TFTP IETF RFC 854 Telnet IETF RFC 1157 SNMP v1 IETF RFC 1213 MIB-I I IETF RFC 1493 Bridge-MIB IETF RFC 1643 Ethernet-like Internet MIB IETF RFC 1724 RIPv2-MIB IETF RFC 1757 RMON-MIB IETF RFC 1850 OSPF-MIB IETF RFC 1902 SNMP v2 IETF RFC 1907 SNMP-MIB