

FS-4G-2X-L3 DP

2 Port 10G+2 Port 1G Uplink+4 PON

Highlights:

- ✓ VLAN
- ✓ LACP
- ✓ Spanning Tree
- ✓ MAC
- ✓ Multicast
- ✓ QoS
- ✓ Q-IN-Q



Product Overview:

FibRSol FS-4G-2X-L3 DP EPON is self-developed Compact 1U EPON OLT equipment, meeting the requirements of IEEE802.3ah and meets the EPON OLT equipment requirements of YD/T 1945-2006 Technical requirements for access network based on Ethernet Passive Optical Network and Telecom EPON technical requirements 3.0, possessing super EPON access capacity, carrier-class reliability and the complete security function. It can satisfy long-distance optical fiber access requirement on account of its excellent management, maintenance and monitoring capability, abundant service features and flexible network mode. FS-4G-2X-L3 DP EPON-L3 OLT can be used with NMS3000 network management system so as to provide users with the perfect solution.

General Description:

- ✓ 4* Downstream EPON ports
- ✓ 4* Uplink GE ETH ports
- ✓ 2* Uplink GE SFP ports
- ✓ 2* Uplink SFP+ ports

Features:

- ✓ Support up to 1:64 split ratio for up to 256 EPON users
- ✓ Support Video Surveillance network
- ✓ Enterprise LAN
- ✓ Internet of things
- ✓ Solutions for FTTH/FTTB

Hardware Spec

Network interface:

EPON interface: 4x (1.25/1.25 Gbps)

Uplink Optical Interface: 2* GE SFP+2*10GE SFP

Uplink Ethernet interface: 4*GE RJ-45

Interface:

: IEEE 802.3ah

Local Management interface

Console: RJ-45 EIA/TIA-232 Console management port

MGMT: 1000BASE-T out-band management port

Performance

Switching Capacity 64Gbps

Package transmit rate(IPv4/IPv6) 125Mpps

Split ratio: 1: 64

Maximum user quantity: 256

Power Supply and Consumption

Power Adaptor: AC Input::100 to 240 V AC, 50/60 Hz;

DC Input:: 36V-75V

Redundancy Design: Pluggable double power supply AC,
+ BBU (Battery Backup Unit)

Consumption: <46 W

Environmental conditions

Storage: temperature -10 to 70°C, rel. humidity 10–90% (non-condensing)

Operation: temperature -5 to 50°C, rel. humidity 10–90% (non-condensing)

Physical specifications

Dimensions: 442mm×360mm× 44mm(W * D *H)

Weight: < 3.5 KG

Software Spec

Ethernet switching (L2) features

VLAN: 4K VLAN entries,

Spanning tree: IEEE 802.1x STP/RSTP/MSTP

MAC: MAC Black Hole/Port MAC limit/8K MAC address

Port: Bi-direction bandwidth control/Port mirroring and traffic mirroring

Service features:

Multicast: IGMP-v1/v2/v3, Snooping/Proxy, filtering

QoS: Base on port or user-defined priority tag, provide 802.1P, DSCP tag ability of priority

L2: LACP/VLAN Tag / Un-tag/VLAN transmission/QinQ/802.1D/802.1W

Routing(L3): BGP/MPLS/RIP/OSPF/Arp agent, Static routing

Security features:

User security: IP, MAC, port and VLAN binding

Device security: Defend DOS attack/Security IP login through Telnet/Hierarchical management and password protection of users/TACACS+

Network Security:

- IP address、VLAN ID、MAC address and port manual binding
- Port broadcast /multibroadcast restrain
- Dynamic ARP table-based binding
- DHCP Option82 and PPPoE+ upload user's physical location

Network Management:

- Command-line interface (CLI) , Console, Telnet and WEB configuration
- RMON (Remote Monitoring)1/2/3/9 groups of MIB
- System configuration with SNMPv1/v2/v3
- NTP(Network Time Protocol)
- NMS3000 network management

Ordering Information:

Model	Description
FS 4G-2X-L3 DP	4*EPON, 4*GE,Port 2*GE SFP,2*10G SFP+ Pluggable Dual Power Supply