



# MANAGEMENT AND SWITCH MODULE FOR GPON OPTICAL CONCENTRATOR CHASSIS FK-OLT-G2500

**Description** The Switching Module, also called SFU (Switch Fabric Unit) is responsible for switching traffic and store the internal data interfaces from other modules belonging to the Concentrator GPON Optical 7U. It also has the management interfaces and SFU/system status indicative LEDs

**General Characteristics**

- 296Gbps switching capacity and 220Mpps throughput (SFU);
- Dual redundancy available;
- Indicative LEDs;
- In Service Software Upgrade (ISSU);
- Non Stop Forwarding (NSF) with graceful restart;
- Not Stop Routing for restricted Routing Protocol (NSR);

**Management**

- Serial / Telnet (CLI);
- SNMPv1/v2/v3;
- DHCP server, client and relay with option 82;
- Single IP management;
- RMON;
- Syslog;
- Link Layer Discovery Protocol (LLDP).

**Layer 2**

- Standard Ethernet Bridging;
- Supports 32K MAC;
- Supports 4K active Vlans through 802.1q tagged;
- Port / Subnet / Protocol-based VLAN;
- VLAN stacking / translation;
- Spanning Tree (STP, RSTP, and MSTP);
- Linkbaseado aggregation in MAC. or address IPDE according 802.3ab;
- Frames up to 9K

**Layer 3**

- IPv4 and IPv6 routing;
- Static route;
- RIPv1/v2 and RiPng;
- OSPFv2 and v3;
- BGPv4;

- Virtual Router Redundancy Protocol (VRRP);

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#### Qos

- Traffic scheduling (SP, WRR and DRR);
- 8 queues per port;
- Limiting conditional fee;
- Mapping queues according to ingress / egress port, MAC, 802.1q, 802.1p ToS
- / DSCP, IP SA / DA, TCP / UDP;
- Access control lists based on ports, MAC addresses, type of Ethernet, IP AS /
- DA, IP Multicast, TCP / UDP.

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#### Multicast

- IGMPv1/v2/v3;
- IGMP Snooping;
- IGMP Proxy;
- IGMP static join;
- Multicast Vlan Registration (MVR);
- PIM-SM, SSM;

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#### Security

- Based authentication 802.1x MAC / port;
- Storm control for broadcast, multicast and unknown unicast packets;
- DoS protection;
- Management Out-of-band;
- IP source guard;
- Secure Shell (SSH) v1/v2.

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#### Constructive Characteristic

•Dimensions (W x H x D): 348 mm x 23.5 mm x 260 mm

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#### Warranty

1-year warranty

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#### Interfaces

- Serial Management Interface (RS232)
- Out-of-band management interface (10/100Base-TX)

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#### Product Code

35510183 MANAGEMENT AND SWITCH MODULE FOR FK-OLT-G1040

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#### Items Included

1 MANAGEMENT AND SWITCH MODULE FOR FK-OLT-G1040

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#### Related Products

35510177 OPTICAL CONCENTRATOR CHASSIS GPON FK-OLT-G1040

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#### [Codification](#)