EPON OLT

OLT-GEPON-8-2x10GE

10426101
OLT-GEPON-8-2x10GE

- The main components of a passive optical network (PON) are the following three elements: Optical line terminal (OLT), passive optical splitter and subscriber terminal (ONU)
- The braun teleCom OLT series supports the symmetric uplink/downlink 1,25 Gbps PON transmission rate, efficient bandwidth usage and Ethernet services, helping carriers to provide reliable services to their subscribers
- Overcurrent and overvoltage protection
- Effective expansion of the PON network: Connection of up to 1.024 subscribers
- Redundant power supply with two hot-swappable power supplies (AC/DC hybrid)
- Dimensions: 19"/1 RU (483 x 285 x 44 mm (W x D x H))
- Weight: approx. 2,0 kg

Parameter	OLT-GEPON-8-2x10GE
Maximum coupling ratio	1:64
Backplane bandwidth	128G
Volume of the MAC table	32.000
Ports	16 x EPON 8 x GE (4 x GE optical ports & 4 x GE TX/SFP), 2 x 10G ports
Average emitting power of the PON port [dBm]	+2 – +7
Light reception sensitivity of the PON port [dBm]	> -30
Security	ONU authentication mechanism
Standard	IEEE802.3ah; IEEE 802.1D, Spanning Tree; IEEE802.1Q, VLAN; IEEE 802.1w RSTP; IEEE 802.3ad, LACP; Ethernet – II
QoS	Backpressure flow control (half duplex); IEEE 802.3x flow control (full duplex); IEEE 802.1p, COS; WR, SP and FIFO; ONU-based upling/downlink rate limit; DBA and SLA
VLAN	Port-based VLAN, 4.000 active VLANs, QinQ and flexible QinQ
IP routing	Static route, RIPv1/v2, OSPF, etc.
Volume of the routing table	12.000
Multicast	IGMP v1/2/3
Reliability	Unidirectional Link Detection (UDLD), Optical path protection of EPON
Network security	MAC limit, port isolation, storm control, flow-based ACL, transmission data encryption on the PON interface
Management	CLI, SNMP and TELNET, TFTP and FTP, Web Interface
Operating temperature range [°C]	0 – +55
Storage temperature range [°C]	-40 – +80
Relative operating humidity	10 – 85 %, no condensation
Relative storage humidity	5 – 95 %, no condensation
Input Voltage [V]	AC 90 – 264 DC -36 – -72
Order No.	**10426101**

Further G(E)PON-OLT models are available on request!

Subject to technical changes. Version 2.0

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