

# 16 PON OLT

PTC42B is designed for chassis OLT device which provides 16 downlink PON ports, 2x10GE and 4x1GE uplink GE ports. Each PON supports up to 64 terminals, the whole device supports up to 1024 ONU under full configuration

## Feature

- Compatible with CTC standard, and can ensure interoperate with other manufactures.
- 16 PON port.
- 1:64 splitting ratio
- Max 1024 ONU connect
- Support PON fiber redundancy protection and device redundancy protection protocol
- Dual power supply redundant



PTC42B

Parameter	Technical specifications
System capacity	Backplane bandwidth 216G
Ports	2x10GE+4xGE (2xRJ45, 2xSFP) 16x EPON 1xconsole & 1x management port
PON port	Up/downstream symmetrical 1.25Gbps speed rate PON output power: +2dbm ~ +7dbm PON receive power: >-30dBm Safety: ONU authentication mechanism distance: 20KM
standard	IEEE802.3ah IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.3ad LACP Ethernet – II, Ethernet-SNAP IEEE 802.3ad VLAN Stacking(Q in Q)
QoS	Back-pressure flow control (half-duplex) IEEE 802.3x flow control (duplex) IEEE 802.1p, CoS WRR, SP and IFO Queue scheduling algorithm. Support ONU up/down speed limit function

	Support DBA and SLA function
VLAN	VLAN based on port、GVRP、IEEE802.1Q VLAN relay QinQ, support flexible QinQ
multicast	IGMP v1/v2/v3 IGMP Snooping Multicast VLAN
Reliability	Full fiber backup Hot-swap Loop protection broadcast-suppression Multicast-suppression
Security features	Bidirectional data encryption Port isolation ONU authentication MAC number limit ACL IP address and Port binding
Management	CLI, Web, SNMP, TELNET TFTP update Syslog system ping, traceroute debug
Dimension	458mm(W) x482mm(D) x 44mm(H)
	19" cassette
	weight: 2Kg
Environment	Working Temperature: -10°C~60°C; 0%~90% Relative Humidity
	Storage Temperature: -40°C~80°C; 0%~90% Relative Humidity
Power supply	AC150~265V, 47~63Hz consumption :47W(MAX)