

Product Description

In the face of increasing demands for high bandwidth and multi-play services, operators have to make a balance between economy and mass roll-out. How to smoothly evolve from FTTC, FTTB and FTTCab to FTTH is a challenge in front of telcos nowadays. Operators are considering building a PON network that is green, future-proof and saves TCO.

ZTE C320 OLT, a small size, full-service optical access convergent platform, provides carrier class QoS and reliable network to meet the requirements for small-scale implementation of FTTx services. The ZXA10 C320 can share line cards with ZXA10 C300 (ZTE existing 10U-high large-capacity OLT) and this compact OLT is able to provide up to 2,048 (splitting ratio 1:64) ONTs access.

Main Parameters:

2U high, horizontal plug card, front access

19-inch rack with 4 slot

System Capacity: 2 service card slots (GPON/EPON/P2P/10G EPON/XG-PON1)

Up to 2048 GPON subscribers access

Up to 2*10GE uplink

Physical transmission distance: 20Km

Management interface: CLI (Telnet or RS232), SSH, SNMP V1/2/3, SNMP proxy

Key Features:

Compatible with ITU G.984.x

Support ITU-T G.987.x and G.988

Support Optical Laser Supervising (OLS)

Physical reach: 20~60km

GPON Transceiver power: Class B+ and Class C+

XGPON Transceiver power: N1, N2, E1 and E2

Support Type B and Type C protection

Support SR-DBA and NSR-DBA

Downstream and upstream FEC

Support AES128 encryption

Support SCB (Single Copy Broadcast)

Full G.984.4 OMCI Stack

Support migration to NG PON2

4K VLAN number, IEEE 802.1q, 1:1/N:1 VLAN, VLAN translation, VLAN Stacking (QinQ)

VRF, ARP agent/proxy

STP/RSTP/MSTP

Link aggregation IEEE 802.3ad

DHCP server, DHCP Relay (option 60/82), DHCP proxy, DHCPv6 L2/L3 relay agent

IPv4 and IPv6 dual stack

1588v2, 1PPS+TOD, SynE, BIT/HZ

L3 routing: IPv4/6 Statistic routing, OSPFv2, BGPv4, RIP V1/V2, ISIS

L2- L4 flow classification and ACL

IGMP V1/2/3, IGMP/MLD snooping/proxy/router

256 Multicast VLANs

IGMP pre-join and fast leave

Supported Cards:

Control

Switch Card:

SMXA: C320 switch management/uplink card (1 x NMS, 1 x Serial, 1 x 10G SFP+, 1 x GE SFP, 1 x GE RJ45, 1 x Monitoring)

Subscriber Cards:

GTGO/GTGH - 8/16 ports GPON line card

GTXO - 8 ports XG-PON1 line card

FTGK - 48 ports P2P/24 ports GE/FE optical Ethernet interface card

CTUB - 32-channel E1 unbalanced CES interface card

CTLA - STM-N CES interface card

ZXA10 C320 configuration:

C320 rack

C320 management card SMXA/3 10G uplink*2PCS

C320 FAN Components*1PCS

C320 service cards GTGH(with 16 pcs GPON-OLT-Class B+,C+ or C++ SFPs)*1PCS