Bringing
you
Closer
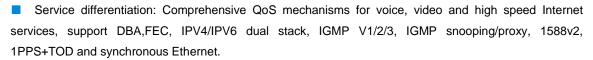
ZTE Next Generation PON Platform Help You Build Flexible and Future-proof FTTx Network

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, and consider building a PON network that is green, future-proof and TCO effective.

ZXA10 C220, has been developed concerning mass optical access roll-out as well as economy. Its strong functions and high performance make mass FTTx roll-out easier than ever before.

1. Features

■ The unified platform for EPON/GPON /10GEPON.

■ Abundant services supported: IPTV, VoIP, HSI, VPN, CATV, mobile backhaul and other services.

■ Service differentiation: Comprehensive QoS mechanisms for voice, video and high speed Internet services, support DBA,FEC, IPV4/IPV6 dual stack, IGMP V1/2/3, IGMP snooping/proxy, 1588v2, 1PPS+TOD and synchronous Ethernet.

■ Higher security assurance: Support AES, ONT authentication, user ID identification, port isolation, address binding, packet filtering, broadcast packet limitation, support anti IP-spoofing and anti DOS-attacking.

■ Flexible topologies: Various uplink/downlink interfaces: FE/GE/10GE and E1/T1, STM-1/OC-3 for uplink and EPON/GPON/10GEPON for downlink.

■ High reliability: key parts redundancy, support Type B and Type C protection for PON downlink and LACP/ STP/RSTP/MSTP for uplink.

2. Customer Benefits

■ **Future-proof Platform Reducing TCO and Saving Initial Investments**

As a unified platform, the initial investments will be reused thus enabling a faster return on investment with a time to market solution, save 20%~30% CAPEX.

■ **Full Redundancy Support to Ensure Carrier-class Reliability**

Key parts of the platform support full redundancy for active/standby unit, including core switch-fabric, cards/interfaces, and power supply and management modules.

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■ **Time to market solution Increased Revenues with Higher End-users Quality of Experience and help operators increase their market share**

Characteristic FTTx solutions to carter for different scenarios, supports FTTH, FTTB, FTTN/C, FTTO and other application modes, provides numerous solutions for high bandwidth and multiple services access.

■ **Traditional TDM Support Provide a Low-cost Way for FMC and Network Migration**

Provides an easy way for leased line and TDM backhaul. Traditional TDM service is transported point to point or aggregated in the platform and then handed off to TDM network with high speed interfaces.

■ **Powerful QoS and Security Control to Ensure Multiple Service Provision**

The system has powerful abilities for multicast control, bandwidth allocation as required, priority control, rate limitation and security control, meets QoS and security requirements of different services to improve ARPU.

■ **Efficient OAM Process with Easy Management and Maintenance**

The platform supports troubleshooting, alarm, quick diagnosing and remote recovery, series of schemes including equipment authentication, service release, remote management and network security are provided.

■ **Green Product Assure a Green Communication World**

The platform adopts green materials and power saving functions to meet the green requirements. Lead-free and safety methods are used in environment friendly material selection, R&D procedure and Logistics management. Both static and dynamic power modes are supported. Delivers about 40%~50% power consumption and 30%~ 40% energy reductions.

■ **ZTE xPON Products Are Proved to Be Stable, Reliable and Mature, Which is Commercially Deployed Millions of Lines in World Wide**

ZTE has already deployed over 63 million FTTx lines in over 30 countries till end of 2010. From research of IDATE, ZTE got 19.5% global market share, ranked No.1 in global-scale of FTTx ports shipments. ZTE has abundant experience in PON network engineering to grow together with operators

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