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ZTE Datacom and Transmission Products Catalog

ZTE中兴

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ZXR10 9900 - Ultra big capacity datacenter core switch

ZXR10 9900 series big capacity datacenter core switch is the big capacity, high-performance, highly-reliable core switch presented by ZTE Corporation that targeted for the datacenter and campus scenarios. ZXR10 9900 series switches can provide biggest switching capacity and highest-density 10GE/40GE/100GE interfaces in the industry.

- 63.4Tbps biggest switching capacity in the industry
- 12*100G or 36*40G line speed forwarding for a single slot
- More than 100ms buffering time for each single interface
- Innovative VSC2.0 virtual switch clustering technology, maximally 4 switches can be virtualized into a logical equipment
- Big flow table, Openflow 1.0 inside, long term evolution to SDN.
- Comprehensive Datacenter related features including virtualized switching, lossless Ethernet, Trill, etc.



ZXR10 9904



ZXR10 9908



ZXR10 9912

ZXR10 8900E - Core switch

ZXR10 8900E series are high-end modular core switches featuring large switching capacity, full L2/L3/MPLS service capability, high-performance, superior reliability and enhanced security.

- Super large capacity/ high density interfaces
- VSC construct solid cloud core
- Distributed module operating system ROS 5.0
- Multi-service bearing capability
- Multi-dimensional security & reliability mechanism guarantees ever-online services
- Environment-friendly Innovations
- Comprehensive IPv6



ZXR10 8902E



ZXR10 8905E



ZXR10 8908E



ZXR10 8912E

ZXR10 8900 - Terabit MPLS routing switch

ZXR10 8900 series are high-end modular Terabit MPLS routing switches with large switching capacity, full L2/L3/MPLS service capability, high performance, superior reliability and enhanced security.

- Large capacity/high performance, up to 1152Gbps switching capability and 857Mpps forwarding throughput
- Availability including ZESR, VRRP, LAC and FRR
- Ethernet OAM based on IEEE802.1ag and IEEE802.3ah
- Comprehensive MPLS-related features, MPLS L3 VPN and VPLS/VPWS



ZXR10 8902



ZXR10 8905



ZXR10 8908



ZXR10 8912

ZXR10 5960 - L3 10G routing switch

ZXR10 5960 series are cassette L3 10G MPLS routing switches that deliver ultra switching capacity, carrier-class reliability and superior scalability. It can meet the requirements of Data Center TOR, and 10Gigabit aggregation campus solutions in space-constrained environments.

- High port density: up to 48 10G and four 40G interfaces, and up to 1.28Tbps switching capacity to ensure its wire-speed forwarding
- Flexible configuration of 40G QSFP uplink interface: one 40G interface can be configured as four 10G uplink interfaces with an adapter cable for various network access
- Full Service support: Port-based VLAN, Subnet VLAN, Protocol-based VLAN, Selective QinQ, VLAN translation, Voice VLAN, MVR, MPLS L2/L3 VPN and MCE
- Full Data Center features: IEEE802.1QbgEVB, VDP, EDCP, CDCP, DCTCP, PFC, QCN, ETS and DCBX
- Industrial-class reliability and security: CPU DDOS, DAI, ZESR and MC-LAG
- Easy maintenance: M-Button, Zero-touch configuration and ALS
- Green and energy-saving



ZXR10 5960-32DL



ZXR10 5960-64DL

ZXR10 5900E - Easy-maintenance routing switch

ZXR10 5900E series are cassette L3 MPLS routing switches, which can be maintained easily. They can deliver superior integrated network services for enterprises with limited space.

- High-speed ASIC forwarding chips
- MPLS to edge (L2&L3 MPLS VPN)
- MCE
- Clock synchronization: Syn-Ethernet, 588v2(5928E&5928E-FI)
- Ethernet OAM
- Plug-and-Play capability
- Graphical network management interfaces
- Easy-Green: 802.3az EEE, RoHS
- Ultimate flexibility with its modular design



ZXR10 5916E



ZXR10 5928E



ZXR10 5928E-FI



ZXR10 5952E

ZXR10 5950 - L3 all gigabit routing switch

ZXR10 5950-H series gigabit routing switches are L3 gigabit box switches presented by ZTE Corporation. 5950-H series switches provide high-density Gigabit access interfaces and 10Gigabit uplink interfaces, comprehensive L2 switching and L3 routing capabilities, and abundant security and reliability related features.

- Super Extensible stacking, 40Gbps stacking
- Intelligent Power over Ethernet: up to 60W POE output, intelligent POE-turning-off
- Enhanced Security: DDos mitigation, hardware based ACL, DAI, Spanning Tree protection, URPF
- Ethernet OAM facilitates performance monitoring
- Multiple reliability related mechanisms: UDLD, loop detection, ZESR/ZESS



ZXR10 5950-36TM-H



ZXR10 5950-36PM-H



ZXR10 5950-56TM-H



ZXR10 5950-56PM-H

ZXR10 5900 - L3 all gigabit routing switch

ZXR10 5900 series are cassette L3 routing switches with 1U height.

- High-speed forwarding ASICs
- VRRP/STP/LACP/ZESR (ZTE Ethernet Smart Ring)
- Complete controllable multicasting protocols, including IGMP Snooping /IGMP Filter / IGMP Fast Leave /IGMP Proxy, CAC channel access control, PRV channel preview, multicasting VLAN registration and multicasting service management
- SES (Super Extendable Stacking)



ZXR10 5928



ZXR10 5928-FI



ZXR10 5928-PS



ZXR10 5952

ZXR10 3900E - L3 easy-maintenance routing switch

ZXR10 3900E series are cassette L3 routing switches with highly reliable software and hardware architecture, excellent switching capacity and performance, convenient operating and management.

- High-speed forwarding ASICs
- Smart VLAN, MCE, L2/L3 multicast
- Easy maintenance with 220mm depth, M-Button, zero-touch configuration and Ethernet OAM
- Plug-and-Play capability
- Graphical network management interfaces
- High scalability modular design (3952E)



ZXR10 3928E



ZXR10 3928E-FI



ZXR10 3952E

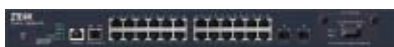
ZXR10 3900A - L3 intelligent ethernet switch

ZXR10 3900A series, L3 Intelligent Ethernet switches with high-density Ethernet ports, are designed to implement L2 switching and L3 routing services with enhanced PoE/PoE+ capability. They can be deployed as access or convergence devices for intelligent campus network.

- High-speed forwarding ASICs
- VRRP/MSTP/LACP/ZESR (ZTE Ethernet Smart Ring)
- MCE
- IGMP and PIM-DM/SM
- SES (Super Extendable Stacking)



ZXR10 3928A



ZXR10 3928A-PS



ZXR10 3928A-FI



ZXR10 3952A

ZXR10 5250 - All gigabit intelligent switch

ZXR10 5250 series are next-generation intelligent L2 Gigabit switches with powerful forwarding capability, flexible ACL and rich monitoring manners.

- GE access/ 10GE uplink interfaces
- Flexible expansion capability
- Abundant services including smart VLAN, improved Video Service experience, and bi-directional ACL
- Intelligent PoE & PoE+ capability for PoE types
- Easy maintenance with M-Button, zero-touch configuration, off-power alarming, and Ethernet-OAM
- Green and energy-saving: 802.3az EEE, RoHS



ZXR10 5250-52TS-L



ZXR10 5250-52PM/5250-52PM-H



ZXR10 5250-28TS-L



ZXR10 5250-28SM



ZXR10 5250-28TC/5250-28TC-H



ZXR10 5250-28TM-H



ZXR10 5250-52TC/5250-52TC-H



ZXR10 5250-52TM-H



ZXR10 5250-28PM/5250-28PM-H

ZXR10 2900E - Easy-maintenance secure switch

ZXR10 2900E series are superior L2 switches. With innovative "easy" concept incorporated in every detail, the ZXR10 2900E series bring users the ultimate efficiency and lower the network maintenance costs through simple and efficient methods.

- The latest energy-saving 40nm chipset
- Smart VLAN
- Improved Video Bearing capabilities
- Smart security features including DAI (which can effectively restrict ARP DOS attacks), Bidirectional ACL, and CPU protection
- Plug-and-Play capability
- Graphical network management interface
- Easy maintenance with M-Button and zero-touch configuration



ZXR10 2910E-PS



ZXR10 2918E-PS



ZXR10 2928E-PS



ZXR10 2918E



ZXR10 2928E



ZXR10 2952E

ZXR10 1000 - Intelligent switch

ZTE ZXR10 1000 series intelligent switch products are SMB access switches presented by ZTE Corporation, providing fast and convenient access to daily using terminals

- Unmanaged and Web-managed optional
- Green, low-carbon and eco-friendly design
- Neat and decent equipment for desktop and family usage.
- 100Mbps and 1000Mbps access available
- Plug and play, no need to configure, convenient provisioning
- Outstanding security features



ZXR10 1000 series switches

ZXR10 T8000 - Cluster router

ZXR10 T8000 is a carrier-class cluster router supporting up to 16+64 cluster systems. It is optimal for Internet core node, large scale Internet Data Center (IDC) and backbone network, etc. The ZXR10 T8000 is especially suitable for flat network structure and unified bearer network with long-term evolution consideration.

- Each chassis has 16 service slots, and 40G/100G interfaces which can be upgraded to 400G.
- It supports 16+64 cluster systems with 200T switching capacity
- The system processing performance and reliability are greatly improved due to the Cloud Computing-based Control Plane Technology (CCC) and Virtual Cluster Controller technology (VCC)
- The system is reliable and the services are not interrupted during upgrading due to the Non-Stop Routing (NSR), Hot Patch, In-Service Component and Cluster Upgrade (ISC²U) technology
- It supports smooth upgrade from single-chassis system to multi-chassis system



ZXR10 M6000-S - Carrier-class router

ZXR10 M6000-S series carrier-class router is a Broadband Multi-service Gateway with large capacity and high performance, covering SR/BRAS/CGN product features, focus on service controller layer, consisting of six sub-sequences: M6000-18S, M6000-8S, M6000-5S, M6000-3S, M6000-2S10 and M6000-2S4.

- Support large capacity port access with 10GE/40GE/100GE capability, and T bit ready.
- Providing various interface types such as 10GE LAN/WAN, GE, STM-1, E1, etc.
- Perfect SR/BRAS/CGN integration reduces the number of POP points, which can effectively reduce CapEx.
- Support IPv4/IPv6 dual-stack, 6PE, 6vPE, IPoEv6, PPPoEv6 and IPv6 QoS/H-QoS mechanisms. Rich IPv6 transition technologies (e.g., Dual-stack+ CGN, 6RD, DS-Lite, NAT444, NAT64+DNS64, etc.) save the investment and make the easy evolution.
- The system upgrade can be easily realized without service interruption due to the NSR, Configuration Rollback, and ISCU technologies.
- Based on BRAS, CGN hot-backup technologies, it can easily enable the non-stop online services and ensure best experience of user.



ZXR10 M6000-18S



ZXR10 M6000-5S



ZXR10 M6000-8S



ZXR10 M6000-3S



ZXR10 M6000-2S10



ZXR10 M6000-2S4

ZXR10 6800 - Aggregation service router

ZXR10 6800 series are intelligent multi-service routers integrating routing, switching, wireless and security features together. With rich interface types and flexible multi-service access capability, the ZXR10 6800 router is the optimal choice for the MAN, IP RAN, DCN, Government & Enterprise networks.

- 200mm compact structure, dual control and forwarding units
- 40Gbps high-speed forwarding capability
- HQoS and MPLS-to-Edge deployment
- Modular design, 300k to 10Gbps and wire to wireless interface
- Integration of router, switch, firewall, NAT/VPN GW and BRAS
- Translation, tunnel and dual-stack for the IPv6 Era
- Zero-touch and automatic configuration



ZXR10 6802



ZXR10 6804



ZXR10 6812

ZXR10 ZSR V2 - Next generation access router

ZXR10 ZSR V2 series are intelligent integrated multi-service routers, which provide users with an integrated communications platform. The ZXR10 ZSR V2 series helps government, enterprise or industrial customers to build up their access networks.

- With powerful Multi-core CPU, the Processing capacity of ZSR V2 is up to 5Mpps
- Perfect integrated of Router, Switch, Firewall and AP
- BYOD, plug and play build with a security and flexible office network
- Support 3G, LTE(TDD, FDD), Enjoy Extremely Fast Wireless Access
- Support traffic-aware dynamic load balancing techniques
- IPv6 Ready, Smooth Upgrade to Next Generation Network
- Support USB Disk Configuration and Deployment, Batch Software Upgrade, WEB GUI NMS



ZXR10 2800-4



ZXR10 3800-8



ZXR10 1800-2S



ZXR10 1800-2SG



ZXR10 1800-2SW

ZXCTN 6000 Intelligent Packet Transport Networks

As one of the best options to construct cost-efficient bearer networks, ZXCTN 6000 series are designed to satisfy the large bandwidth and flexible service demand of LTE with the significant reduction of TCO, which can remarkably benefit telecom operators in their market extension.

- Compact Large Capacity 10GE Equipments*
- Carrier-Class Reliability
- Carrier-Class OAM
- New Generation Synchronization Technology
- Easy Used Unified Network Management



ZXCTN 6120S



ZXCTN 6150



ZXCTN 6180



ZXCTN 6110(F)



ZXCTN 6200



ZXCTN 6120



ZXCTN 6300



ZXCTN 6130 XG-S



ZXCTN 6220

*ZXCTN 6120S/6150/6180 - Compact Large Capacity 10GE Equipments

ZXCTN 9000-E - Carrier-class multi-service aggregation and backbone layer IP transport platform

ZXCTN 9000-E series are next-generation carrier-class multi-service transport platforms, which support any L2 and L3 network and service interworking reliably and concurrently. It is ready for the coming era of mobile internet, IPv6, internet of things and cloud computing.

- Integrated multi-service bearing platform satisfies all-service development demands
- 40Gbps and 100Gbps interfaces wire-speed forwarding capability, which can be upgraded to 400G per slot
- Rich high-density interfaces including TDM, ATM, 155M-40GPOS, and Ethernet interface from FE-100GE
- Industry-leading timing processing for high-precision synchronization
- Powerful hierarchical OAM improves network availability
- Multiple network protections and carrier-class reliability



ZXCTN 9000-18E



ZXCTN 9000-5E



ZXCTN 9000-8E



ZXCTN 9000-3E



ZXCTN 9000-2E10



ZXCTN 9000-2E4

ZXCTN 6500 – Multi-service POTN hybrid aggregation and backbone IP transport platform

ZXCTN 6500 series (ZXCTN 6500-8/6500-16/6500-32) are the new generation POTN product, focusing on LTE bearing and trunk line construction for multi-service:

- 300mm depth Terabit level ultra-large capacity POTN product;
- Unique high & low speed slots separation and decoupling;
- High Efficient L2/L3 VPN Internal Bridging for Multiservice Bearer;
- E1, STM-n, FE, GE, 10GE, 40GE, OTU2/OTU3 Interface;
- Upgrading to 100GE with 100GE line card, up to 3.2T switching capability;
- Smoothly evolved 100G OTN within existing platform, PTN and OTN function converged;
- Rich OAM features to ensure network safety.



ZXCTN 6500-8



ZXCTN 6500-16



ZXCTN 6500-32



ZXMP M721 - Metro edge iOTN product

ZXMP M721 is a compact OTN device, which features smart stature, large capacity, low power consumption and high reliability.

- 1U, 2U and 3U height
- -48V/-60V DC or 220V/110V AC
- 40×10G DWDM application, 18×2.5G or 10×2.5G+8×10G CWDM application
- Any-rate-service (100Mbit/s – 7.5Gbit/s) access and intelligent port cognition
- DSS (Distributed Service Switch platform) based on ODU0/ODU1/flex
- 1+ 1 protection for control card, power card, OMS, OCH and ODUk
- Optional OSC and ESC
- L2 swith, 8×GE+2×10GE–10GE



ZXMP M721 DX63 3U



ZXMP M721 DX61 (1U DC)



ZXMP M721 DX61 (1U AC)



ZXMP M721 DX62 (2U AC)



ZXMP M721 DX62 (2U DC)

ZXMP M600 - Metro edge WDM product

ZXMP M600 is a cost-effective CWDM device with large capacity, transparent transmission and expansibility.

- CWU sub-rack (1RU), and CWE sub-rack (6RU)
- Chain networking, ring networking and tangent networking, etc.
- 4-degree OSC
- Abundant services: Any-rate-service (10Mbit/s – 2.7Gbit/s), STM-1/4/16
- E3, T3/DS3, E4, FE, GE, FC, 2G FC, ESCON and DVB-ASI
- L2 switching
- Optical multiplex section (OMS) 1+1 protection, optical channel (OCH) 1+1 protection and 1+1 protection inside board
- CWU sub-rack: -48V/-60V DC, or 220V (50 Hz)/110V (60 Hz) AC with an external adapter
- CWE sub-rack: -48V/-60V DC



ZXMP M600 (1U) CWU



ZXMP M600 (6U) CWE

ZXONE 8000 - Large-capacity Cross-connect OTN Product

ZXONE 8000 can be deployed at the backbone or metro layer, satisfying the operator's requirements for the transparent transmission of large granularity services, flexible scheduling, service monitoring and management.

- System capacity: 80x10G/40G/100G
- Line rate: 10G/40G/100G, Client service: 100M-100G Any
- 2~9 degree ROADM
- Support large-capacity electrical cross-connect of 0.8T/1.4T/2.8T/3.2T/9.4T
- Support ODU0/1/2/2e/3/4/flex
- L2 switching for GE/10GE aggregation
- Multiple-layer protection schemes
- Support PIC(photonic integrated circuit)
- WASON based on GMPLS
- Support out-band / in-band 1588V2 transmission and synchronous Ethernet transmission
- -48DC(-60V~ -40V), -60V DC (-50V~ -72V)



CX21 Subrack



CX22 Subrack



CX31 Subrack



CX51 Subrack



CX71 Subrack

ZXWM M920 - Backbone OTN Product

ZXWM M920 is a large-capacity and ultra-long distance intelligent backbone OTN product. It is now extensively used in global backbone projects, local switching fabric and all sorts of private networks.

- System capacity: 80x10G/40G/100G
- Line rate: 10G/40G/100G, Client service: 100M-100G Any
- 2~9 degree ROADM
- Multiple-layer protection schemes
- WASON based on GMPLS
- Support out-band / in-band 1588V2 transmission and synchronous Ethernet transmission
- -48DC(-60V~ -40V), -60V DC (-50V~ -72V)



ZXWM M920

MSTP series products - Multi-service transport platform

ZTE MSTP portfolio includes the following types: ZXMP S200, ZXMP S325, ZXMP S330, ZXMP S385 and ZXONE 5800. ZTE MSTP provides a unified platform to implement access, processing and transport of TDM and Ethernet services simultaneously.

- SDH, PDH, Ethernet/IP service via unified transmission platform
- Line, Star, Ring and Mesh network topology with smooth expansion and upgrade solution
- Hierarchical protection design, reliability as high as 99.999%
- Unified NMS, simplified planning and flexible configuration



ZXMP S200



ZXMP S385



ZXMP S330



ZXONE 5800



ZXMP S325



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