

## ZXMP S330 Product Introduction

ZXMP S330 is a new generation of 2.5G/622M MSTP multiservice transport platform combining SDH, PDH, Ethernet, ATM and RPR technologies. It has flexible networking and service dispatching as well as good network protection, and supports RPR and ATM data services. It is applied to convergence layers and important access layers. It can work with other ZTE's MSTP equipment in one network to provide highly effective solution for carriers.



### 1、 Characteristics

- **Powerful access provides a wide variety of services**
  - ✧ Provide STM-16/4/1 optical interface, STM-1/E3/T3/E1/T1 electrical interface, and flexible service adding/dropping.
  - ✧ Provide EOS functions and support EPL, EVPL, EPLAN and EVPLAN data service models to meet user demands for high-bandwidth data services.
  - ✧ RPR-embedded logic subnet technology can be used to build RPR ring. The unique RPR cross-ring function can break single-ring limit in the RPR network.
  - ✧ Provide good QoS control. It is possible to configure service flow according to IP priority, DSCP priority, TOS priority, COS priority and port priority.
  - ✧ Provide embedded ATM function. Support VP and VC switching, CAC control, CC, and PVC 1+1 protection.
- **Powerful cross and scalability makes networking and dispatching flexible**
  - ✧ ZXMP S330 can perform multidirectional service full-cross, with high-order cross capacity of 128x128VC-4, low-order cross capacity of 2016x2016 TU-12, and single-subrack access capacity of 88x88VC4.

- ◇ ZXMP S330 can work as extension subrack of ZXMP S385, ZXMP S390, ZXMP S380, etc.
- **Superior protection offers high network reliability**
  - ◇ ZXMP S330 has 1+1 protection for key boards like clock board and cross board, and 1:N (N≤5) protection for E1/T1/E3/T3/FE/STM-1 (E) service interfaces. One subrack can support 4 groups of different electrical tributary protections.
  - ◇ ZXMP S330 has two power supply systems. Functional boards use the distributed power supply. If a board is plugged or unplugged in system operation, there will be no influence on other boards and the system.
  - ◇ ZXMP S330 has networking features in ITU-T recommendations. It can perform such protections as 1+1 MS protection, 2-fiber bidirectional MS protection ring, 4-fiber bidirectional MS protection ring, Dual-Node Interconnection (DNI) protection and Subnet Connection Protection (SNCP).
  - ◇ It can also support the protections of data service layer like shared Ethernet protection ring, RPR protection and ATM 1+1 protection.
- **Reliable timing synchronization processing improves synchronous network performance**
  - ◇ ZXMP S330 has the advanced phase locking circuit for the selection of synchronous with external clock, line clock or E1/T1 tributary clock.
  - ◇ It has E1 tributary retiming function.
  - ◇ It supports synchronization priority switching and automatic SSM-based switching to optimize timing synchronization allocation, lower the difficulty in synchronization planning, avoid timing loop and keep network synchronization in the best state.

## 2、 Good design creates value for customers

- **Powerful RPR data features support IP-mode evolution and protect the investment**
  - ◇ Support high-efficiency statistical multiplexing of data services. The bandwidth utilization rate is higher than the traditional EOS by 2~8 times.
  - ◇ Support multi-RPR to implement complex topologies, e.g., insectant ring and tangent ring.
  - ◇ Feature ultra strong data service awareness, support service classification based on IP priority, DSCP priority and TOS priority and provide good QoS.
  - ◇ Support RoS, RoS+EoS and EoS modes in one board. Service configuration will be very flexible.
- **Superior product portfolio offers excellent solution:**ZXMP S330 can work well with ZTE's other ZXMP products at different nodes and at different network levels according

to different demands, and all of them can be managed by ZXONM E300 and ZXONM N100, which will reduce CAPEX and provide cost-effective solution.

- **Good design creates value for customers**
  - ✧ Front interface facilitates system maintenance.
  - ✧ High-integration equipment uses less space in the equipment room and low power consumption lowers the cost of power supply.
  - ✧ Boards can be inserted into any slot, which makes flexible equipment configuration and network planning & optimization.
  - ✧ Support the 2.5G optical power check to rapidly locate line fault and raise maintenance efficiency.
- **Service boards can be shared by ZXMP S325 to reduce the cost of spare boards and parts.**:S330 and S325 are developed on one platform and service boards are shared.
- **Support single-fiber bidirectional module and use fewer fibers:**622M/155M optical signals are transmitted and received via different wavelengths in one fiber. Optical module is integrated with multiplexing/demultiplexing device. Single-fiber bidirectional optical module are used in pairs, for example, port A transmits signals via 1310 and receives via 1550, while B transmits via 1310 and receives via 1550.
- **Support color optical interface and directly employ MUX/DEMUX board to replace OUT:**As the transmitting wavelength of optical module satisfies the requirements of CWDM/DWDM equipment, it can be directly used for MUX/DEMUX board.

### 3、Parameters

<b>Cross capacity</b>	High-order cross of 128x128VC4 and low-order cross of 2016x2016VC12
<b>Service type</b>	E1/T1, E3/T3, STM-1/4/16, FE, GE, ATM and RPR ... ..
<b>Dimension</b>	443.7 (H)x482.6 (W) x270 (D)
<b>Power supply</b>	Nominal voltage: -48VDC Range: -57VDC~-40VDC
<b>Installation</b>	Installed into ETSI standard cabinet and 19" cabinet.
<b>Maximum power consumption</b>	250W
<b>Environment parameter</b>	Working temperature: -5°C~45°C Working humidity: 20%~80%