Company Introduction

Professional optical communication products manufacturer

Optical transmission solutions provider

Guangzhou Sintai Communication Co., Ltd



Down to the earth · Vision to the far · Strive for the best



Sintai Communication Co., Ltd

Brief Introduction

Sintai is specialized in the optical communication field with R&D, production, sales and customer service. We are dedicated to providing optical transmission network systems and optical transmission optimization solutions and have become one of the top optical communication products manufacturers and service providers in China. Our products and services have extended to various industries at home and abroad. They are now widely used in the fields of telecom operation, ISP, electric power, IDC, education, transport, radio and television, network security, big data and cloud services, etc. Our market share is rising steadily.

Development History

2013
Transformation
OTNS8600 optical transmission system was brought to the market

2015
Innovation
Our products had its **patented technology** through our independent R&D and won the authorized certification

2016
Development
We were the first to provide 100G wavelength division products with professional solutions in the industry

2018
Strengthening
We had broken through the international markets of **Asia, Europe, North America, South America, Oceania, Africa** and so on.

2020-2021
Leap
We are launching 5G fronthaul transmission products for operators and our market share in the internet field has increased sharply. We are intended to build the first-class brand.

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To win the future



The establishment of brand advantage has promoted the construction of our international marketing network.The awareness of Sintai is continuously increasing in the key markets. Our business has extended to USA, Russia, France, Thailand, UAE, Mongolia, Japan, Korea, Brazil, Australia, Tunisia and so on.



After years of development, our products have covered all over the country.



North China Region

Branch: Beijing office
Consist of sales, services and spare parts inventory team

Northwest Region

Branch: Xi'an office
Consist of sales, services and spare parts inventory team

East China Region

Branch: Hangzhou office
Consist of sales, services and spare parts inventory team

South China Region

Headquarter: Guangzhou
The base of production, research and development, sale and service

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Partners

中国电信 CHINA TELECOM

China unicom 中国联通

中国移动 China Mobile

广东广电网络 GUANGDONG CABLE NETWORK

广西广电网络 GUANGXI RADIO & TV NETWORK

深圳燃氣 Shenzhen Gas

中国南方电网 CHINA SOUTHERN POWER GRID

顺德农商银行 SHUNDE RURAL COMMERCIAL BANK

中国通信服务 CHINA COMSERVICE

广州地铁 Guangzhou Metro

任子行 SURFILTER

鹏博士集团 DR.PENG GROUP

vanke

GDS万国数据

中企通信 CHINA ENTERCOM

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1933 華南師範大學 SOUTH CHINA NORMAL UNIVERSITY


SINTAI
广州芯泰通信技术有限公司
SINTAI COMMUNICATION TECHNOLOGY CO., LTD








研发试验中心



SINTAI 芯泰通信

Qualifications





















The path of glory is where we are doing better and better in the quality.





















Scientific and technological innovation, leading the future

Start from the chip and focus on the prosperity

Innovation and practicability

Open up and keep moving forward

Customer value comes first



Core Values

- Innovation
- Specialty
- Practicability
- Win-win

Provide the industry-leading and comprehensive product solutions



Production team

Professional testing personnel, complete testing equipment, perfect quality inspection system, and high quality products.

Sales Team

Get access to the market both at home and abroad to build the wolf team.The sales team will always treat customers' needs as the core value.

Service Team

Provide presale, sale, and aftersale service. All members are pleased to provide the best service to our customers.

Continuously provide a forward-looking technology development strategy

Scientific and technological talents with innovative ability and

Core technology and products with market competitiveness



R&D strength	The R&D team consists of 3 doctors, 5 masters, 10 senior engineers and 8 test engineers.
R&D direction	With many years' experience of optical communication field, we are focussing on optical transmission, and optical device technology
R&D investment	The perfect management system and R&D investment exceeds 10% of annual profit and will increase year by year

Service Hotline for 7*24 hours

400-6677-515



Video teaching

VIP service line

On-site service to bring you the best service

Online instant communication

Remote online technical service

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Main products

WDM/OTN system

- 10G/100G/200G WDM
- OTN/5G Fronthaul
- VOA/EDC/FEC subsystem

Optical amplifier system

- Optical-Electrical-Optical (OEO amplifier)
- Erbium Doped Fiber Amplifier EDFA
- 100G SOA

Optical protection system

- Optical Line Protection System (OLP)
- Optical Bypass Protection System (OBP)
- Optical Fiber Monitoring System (FMS)

Optical fiber access products

- EPON（OLT/ONU）
- Media converter
- Industrial switch

Passive optical device

- CWDM/DWDM/AWG
- Splitter (FBT/PLC)
- Dispersion Compensation (DCM)
- Optical Switch(SW)

Optical Transceivers

- SFP, SFP+, XFP
- QSFP+,QSFP28
- CFP, CFP2, CFP4



OTNS8600 1U equipment



OEO equipment



Optical amplifying equipment



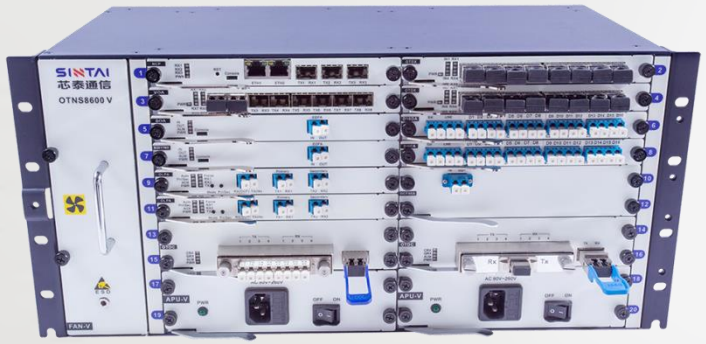
OTNS8600 2U equipment



Integrated DWDM equipment



Optical protection equipment



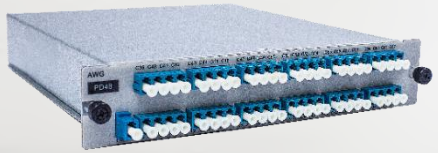
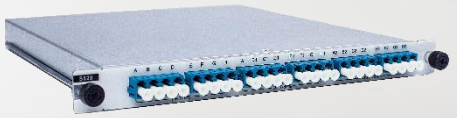
OTNS8600 5U equipment



Integrated passive WDM/splitter equipment



Pluggable passive WDM/splitter equipment

 100G OTU Coherent	 40G&100G OTU	 40G&100G Muxponder	 16G~32G OTU
 1G~10G OTU	 FMS	 EDFA	 SOA
 TDC	 OLP	 OBP	 NCP
 AWG	 Mux/Demux	 DCM	 Splitter



SFP+ OPTICAL MODULE

10G SFP+ Dual (300m~80km)

10G SFP+ BIDI

10G SFP+ CWDM

10G SFP+ DWDM



QSFP+ OPTICAL MODULE

40G QSFP+ - SR4 300m

40G QSFP+ - LR4 2km 40G

QSFP+ - LR4 10km 40G

QSFP+ - ER4 40km



QSFP28 OPTICAL MODULE

100G QSFP28-SR4 100m

100G QSFP28-PSM4 2km

100G QSFP28-LR4 10km

100G QSFP28-ER4 40km



CFP OPTICAL MODULE

100G CFP-LR4 10km(4 Lanes)

100G CFP-LR4 10km

100G CFP-DWDM(4 Lanes)

100G CFP-DWDM(QPSK)

OTNS8600
Optical transmission network system



Excellent frame structure design

Support 1U, 2U and 5U structure. In good compatibility with all functional boards. Support both WDM and OTN platform.

Supercapacity transmission

Support the transmission of 96 channels' system of C-Band. The maximum transmission capacity of single fiber can reach 9.6T

Arbitrary service access

Support 100M~100G full rate with access to all types of services.

Unified network control platform

Provide unified network control for the whole series products with perfect network and equipment performance monitoring capability.

A new equipment type
A brand new network solution



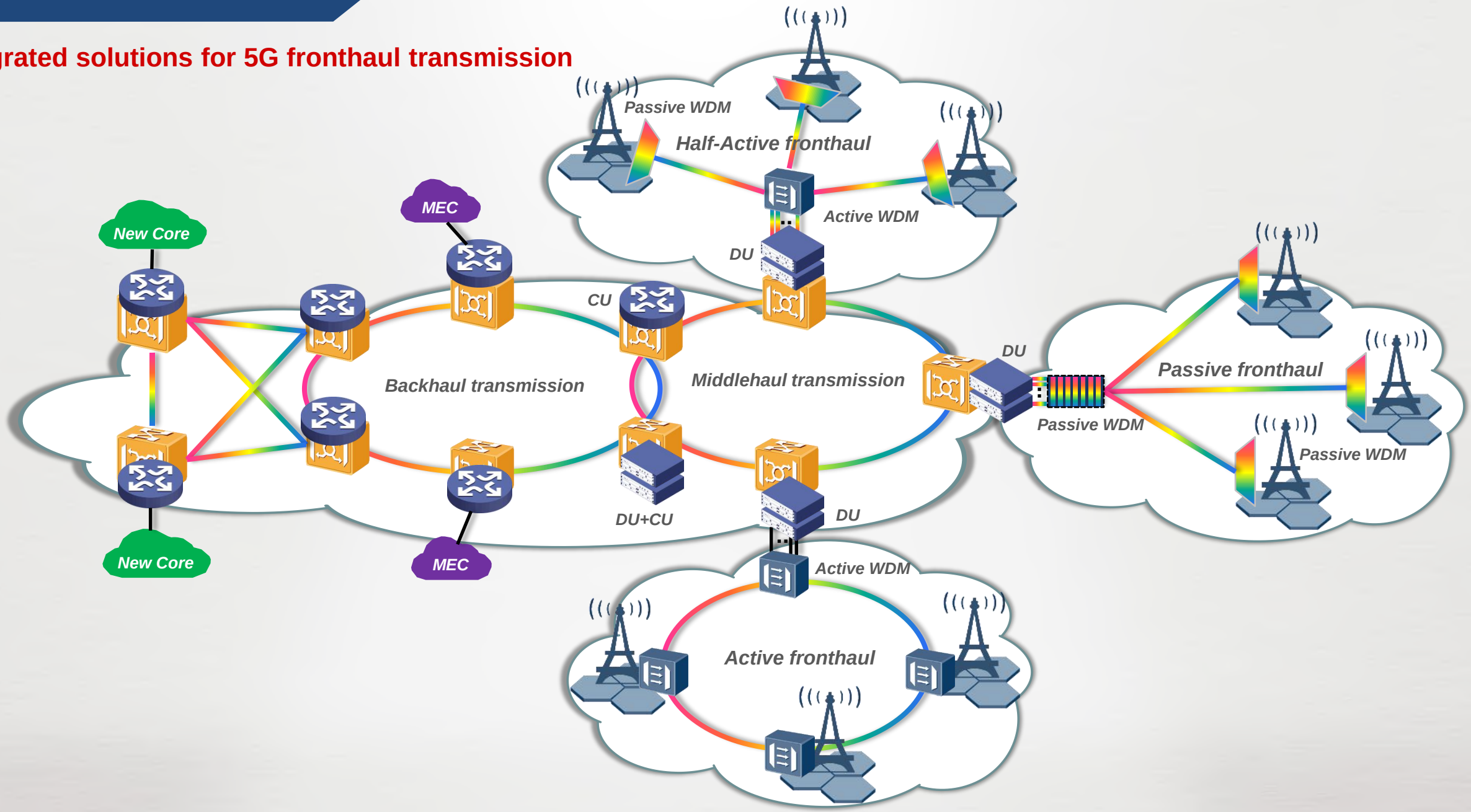


Integrated DWDM equipment

Functions and features

- **Ultra high integration**: single device can support 1.2Tbs transmission capacity.
- **High reliability**: every business is completely physically isolated and transparently transmitted to enhance network security
- **Pure adaptability**: Support 100M ~ 100GE full rate Ethernet service and FC1G ~ 32G full rate storage service
- **Easy for network planning**: the network construction is simple without changing the original topological structure. There is no complex optical layer design. The choice of device type is only based on the attenuation or distance.
- **Easy for network control**: the SNMP management of all networks can be realized with the inner monitoring channel after connection of the optical path
- **Space saving**: 1U frame structure. Compared with the traditional solution, the space occupied by the cabinet is saved by 90%
- **Time saving**: one box shipment based on the site's need without site assembly. Plug and play. No jump fiber or human work is needed.
- **The first one in the industry**: we are the first to provide a brand new solution based on the photonic integration technology
- **Reliability of power supply** and heat dissipation: double power protection of server, four groups of powerful double ball fan units
- **Easy for installation**: 1U 19" with standard cabinet installation, size: 44*440*560(MM)
- **Powerful function**: built-in OEO, EDFA(with VOA) (optional), OLP(optional), OSC network control

Integrated solutions for 5G fronthaul transmission



Passive WDM unit

1:2



1:6



1:12



1:18



1:24



OPC1800-M40(1:40)



Passive WDM matching chassis



16-slot chassis

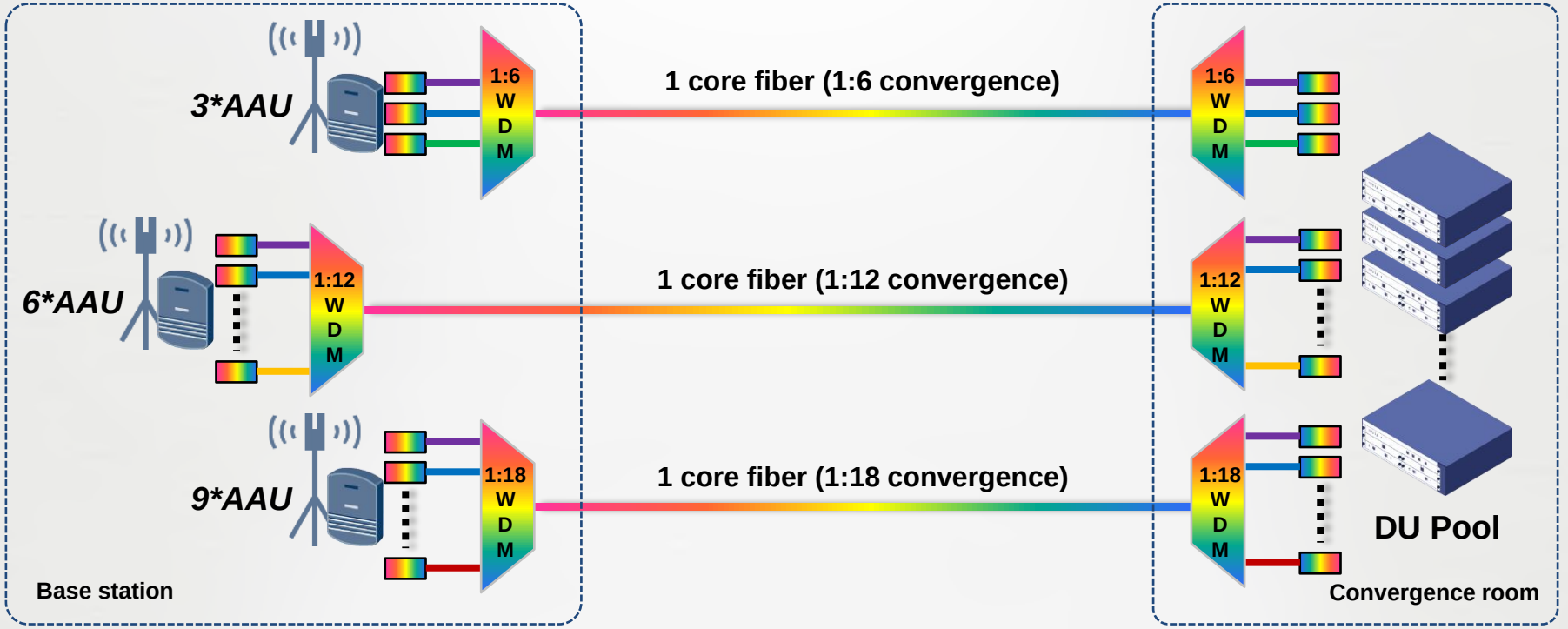


3-slot chassis



Outdoor waterproof and dustproof box

Passive WDM solution for 5G fronthaul transmission



Solution feature

- Color optical modules are used in the AAU and DU side to connect each other based on the passive WDM;
- Significant saving of fibers with optional channels of 6/12/18/24/48;
- Similar to optical direct drive with high bandwidth and low delay;
- The solution is passive. It's simple to use and fast to deploy.

Application scenario

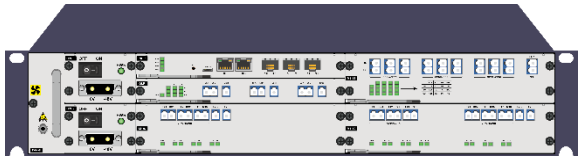
- Mainly applicable to the end-to-point CRAN networking scenario requirements;
- No power for remote system with the ability of outdoor deployment. Passive mux/demux can be deployed together with AAU to handle single-station service, or can be deployed at optical intersection site to converge multi-station service.

Local active unit

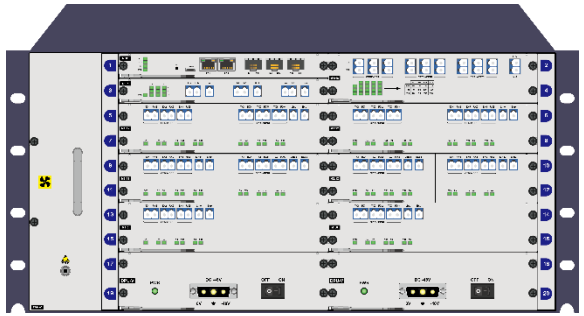
OTNS8600 I



OTNS8600 II



OTNS8600 V



Remote passive unit

P1:6



P1:12



P1:18



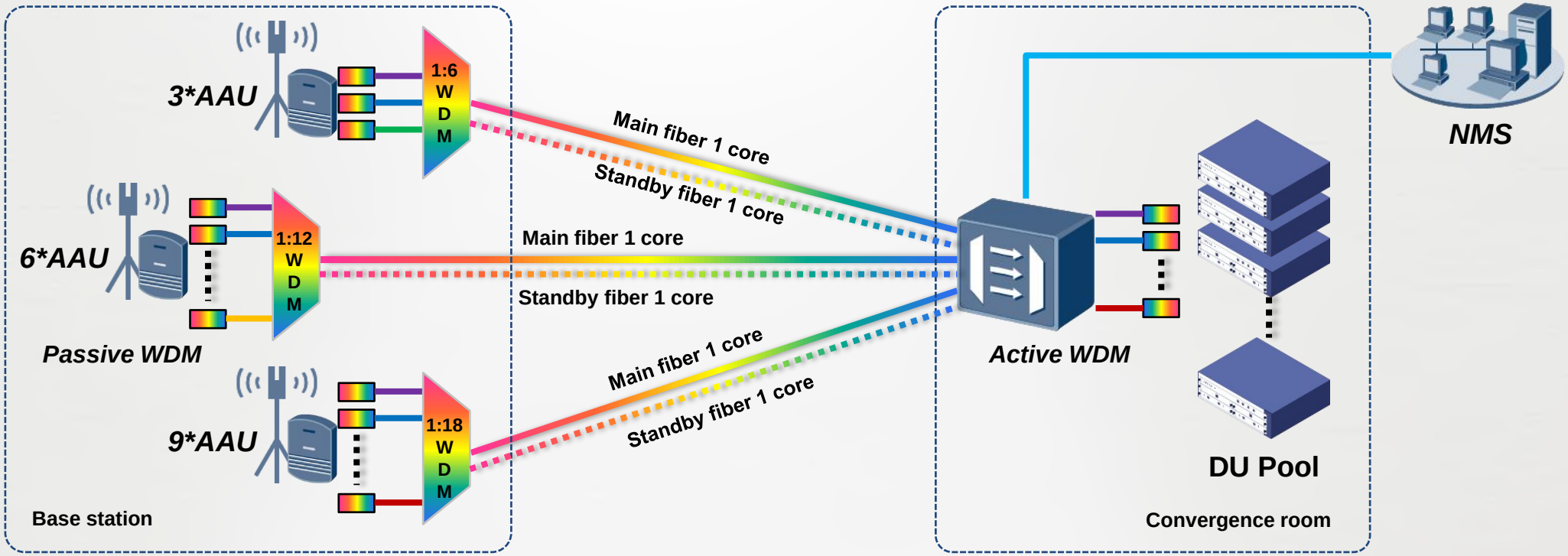
P1:24



OPC1800-P40/48



Half-active WDM solution for 5G fronthaul transmission



Solution feature

- Similar to passive WDM, network management monitoring and optical layer protection functions are added on the basis of maintaining end-to-end low passive WDM cost.
- DU side equipment is active with optical layer protection and automatic switching. Power failure of equipment only affects network management but does not affect service.
- Modular structure, 1:6/12/18 optional, flexible configuration of functional units.

Application scenario

- DU small-scale centralized deployment or limited fiber resources areas;
- No power for remote system with the ability of outdoor deployment. Passive mux/demux can be deployed together with AAU to handle single-station service, or can be deployed at optical intersection site to converge multi-station service;
- Meet the requirements of reliability and manageability for 5G forward network.

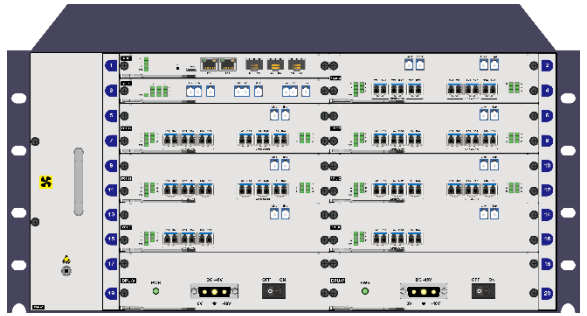
Indoor active unit

OTNS8600 II





OTNS8600 V



Outdoor active unit

OTNS8600-FO1:6

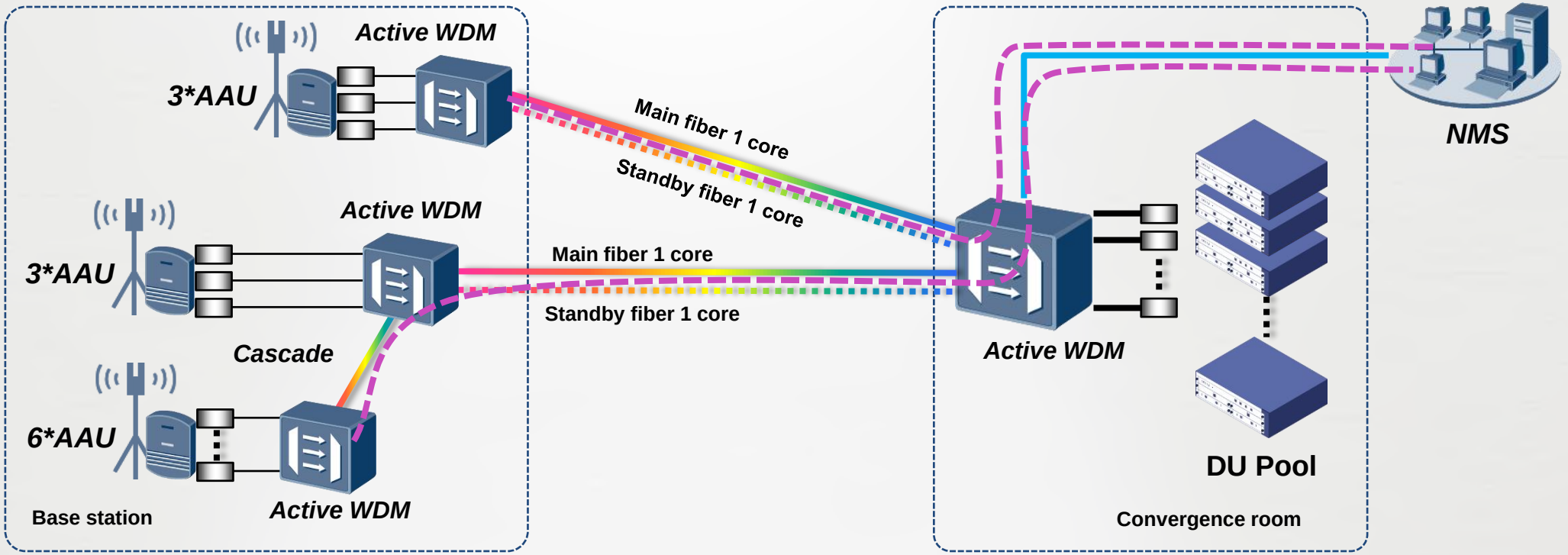


OTNS8600-FO1:12



Note: Outdoor active units can be cascaded

Outdoor active WDM solution for 5G fronthaul transmission



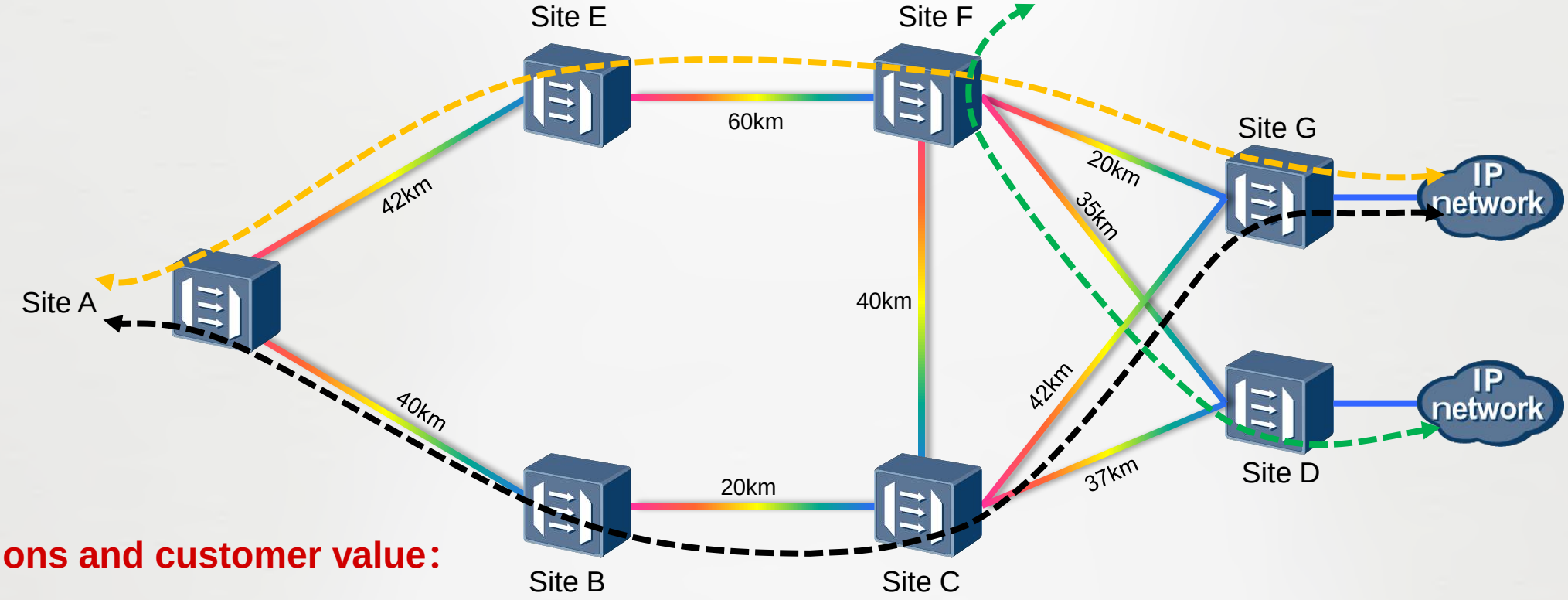
Solution feature

- DU and AAU adopt white-light optical modules. The wireless side devices need no modification. It has high bandwidth and low delay;
- Flexible configuration to support multi-directional and multi-level cascade applications;
- Efficient and perfect OAM management with clear maintenance interface;
- Outdoor deployment capability to support wall mounting and pole mounting.

Application scenario

- Suitable for large-scale C-RAN convergence;
- Providing optical layer and electrical layer protection with automatic switching mechanism;
- It has flexible equipment configuration and adapts to the diversification of AAU equipment configuration and installation mode after centralized deployment of DU;
- Support fixed-line and mobile bearing with integrated service access capability.

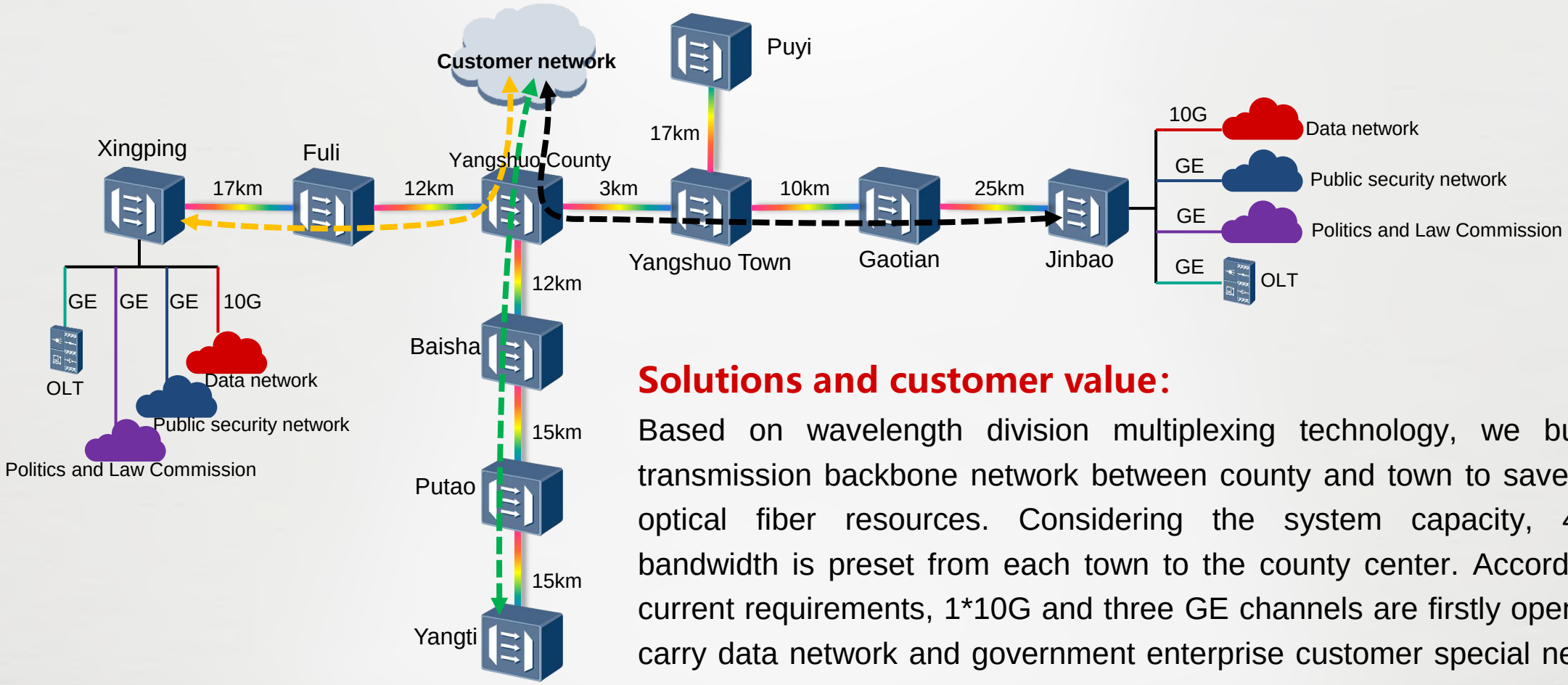
Guangzhou Data Center: Build backbone ring network of 4T WDM transmission



Solutions and customer value:

OTNS8600 V type equipment is used to set up double return cross ring network to protect the link in metropolitan area network from the optical cable interruption. The system capacity is 40 channels *100G, which meets the needs of rapid development of broadband service in the next 3~5 years. All nodes in the network can achieve end to end connections without back-to-back. Channel renting business can be developed to meet user's requirements of efficient transmission and flexible dispatch for its big customers' special line service.

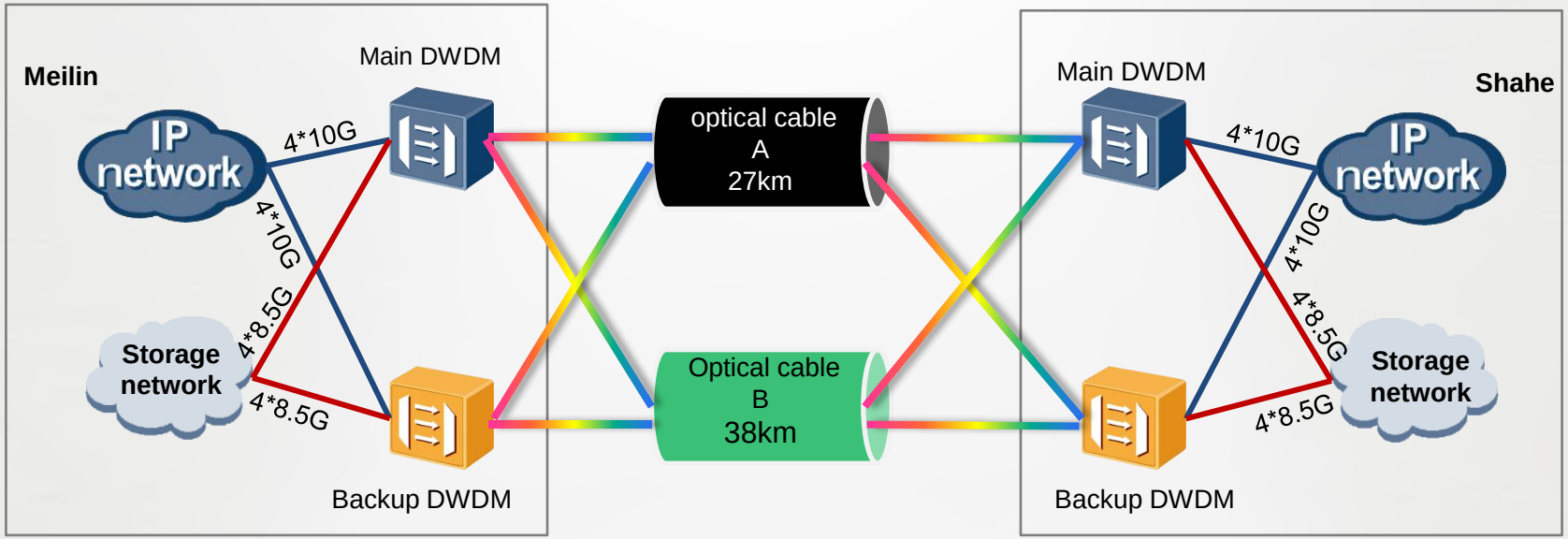
Guangxi TV: County-town interconnected metropolitan area network



Solutions and customer value:

Based on wavelength division multiplexing technology, we build a transmission backbone network between county and town to save trunk optical fiber resources. Considering the system capacity, 4*10G bandwidth is preset from each town to the county center. According to current requirements, 1*10G and three GE channels are firstly opened to carry data network and government enterprise customer special network service. They can also carry the original SDH/MSTP system and can be easily increased to 40G by changing the optical modules.

Energy group: Backbone transmission network of disaster tolerance system



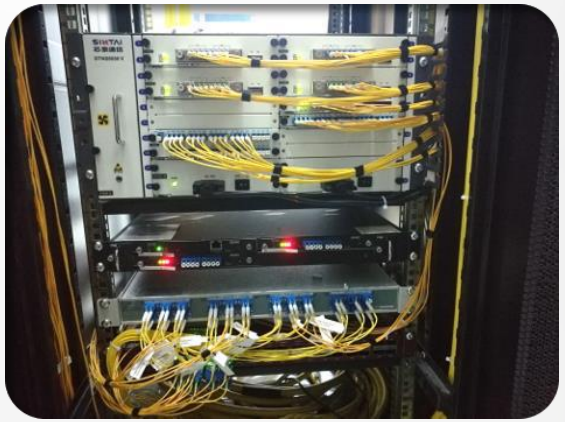
Solutions and customer value:

The transmission network in city disaster recovery is based on Sintai WDM technology solution. We provide multidimensional network level protection, including hardware, channel, optical line and so on, which can completely meet the requirements in high security and high reliability from the disaster recovery network in data storage service.

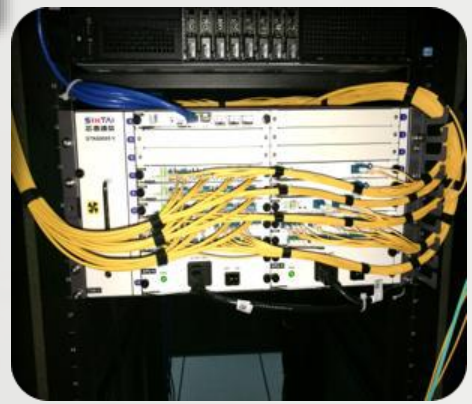
- **Service sustainability**: highly reliable disaster recovery solutions. Backup network can start to work at any time to achieve "0 lost" of data and "0 interrupt" of service.
- **Low latency**: low delay at microsecond level from terminal to terminal to meet the need of real-time backup.
- **Good compatibility**: Sintai's OTNS8600 series products support all the current mainstream storage service interfaces, and support multi service hybrid access to unified load.















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Contact us



Service Hotline：400-6677-515

Add: 3F-4F, Office Building, No.2 Fangda Road (New Economic Industry Park), Yunpu Industrial Zone, Huangpu District, Guangzhou

Tel：020-82037001

Fax：020-82553470

E-Mail：support@sintai.com.cn

sales@sintai.com.cn

Web：www.sintai.com.cn

www.optical-sintai.com

Website

WeChat Public Account

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Efforts build strength | Attitude determines altitude