

Guangzhou Sintai Communication Co.,Ltd

Professional Optical Communication
Products Manufacturer
Optical Transport Solutions Provider

Founded in January 2013, Guangzhou Sintai Communication Co., Ltd. is a professional manufacturer and service provider of innovative products, with a number of product and technology invention patents, as a high-tech enterprise and 5G enterprise in Guangdong Province, and won the provincial "SRDI" enterprises.

Focusing on the field of optical communication and integrating R&D, production, sales and service, Sintai is committed to improving the efficiency of optical fibre transmission, we always focuses on customer service and implements the production concept of quality first; strictly follows the international standards and system requirements; manages the use of ERP and other information technology, and establishes a multi-position lean supply chain production system; creates value for customers, develops together with customers, and contributes to the society will be the fundamental and mission of the company's long-term work!



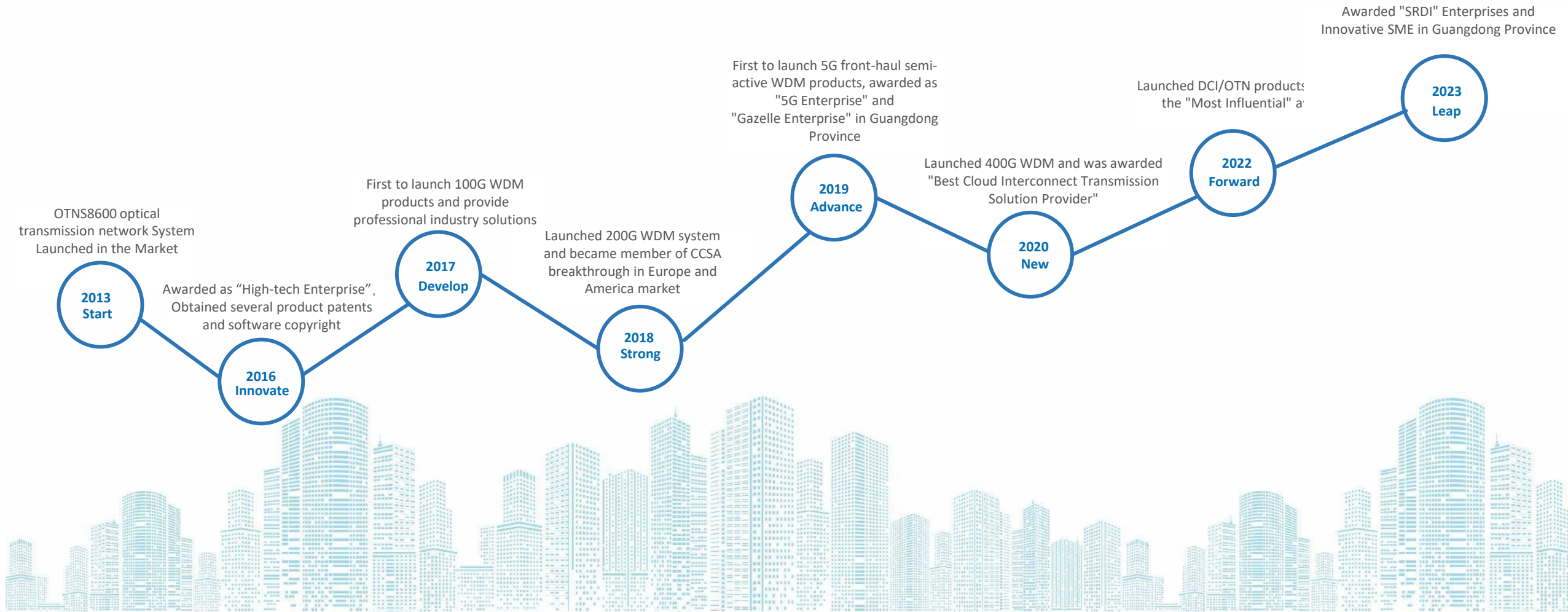
Enterprise Mission: create value for customers, develop with partners, and contribute to society.

Corporate Philosophy: Innovation and Pragmatism, Open-minded and Enterprising, Customer Value.

Core Values: innovation, professionalism, pragmatism, win-win.

With the spirit of craftsmanship, Sintai Communication is focusing on building a century-old enterprise. We never stop pursuing excellence!

Development History



Continuously provide forward-looking technology development strategies

Innovative scientific and technological talent

Core technologies and products with strong market competitiveness

R & D Strength

Gathered a group of senior R&D elites in the industry, the core team has more than 15 years of development experience

R & D Direction

Focus on improving the efficiency of optical transmission, focusing on optical transmission product technology, digital communication product technology, optical device product technology

R&D Investment

Ensure sustainable innovation in products and technology and maintain an investment of more than 15% of annual sales in R&D



Providing industry-leading comprehensive product solutions



Production team

Professional testers, complete testing equipment, standard production process, rigorous quality control system, perfect production management system, together to ensure the efficient production and supply of products.



Sales team

Adhering to the customer needs as the core, domestic and foreign multiple excellent sales team continues to expand, provide more users with professional products and services



Service team

With a perfect service system, professional technical engineers provide pre-sale, sale and after-sales technical services, so that customers can use at ease.





Active Manufacturing Center



Passive Manufacturing Center



Production Line



Test Area



Data Center Room



Integrated Test Room



Reliability Laboratory



Honor and Products Show



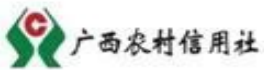
The road to glory is the very mileage that quality continues to surpass



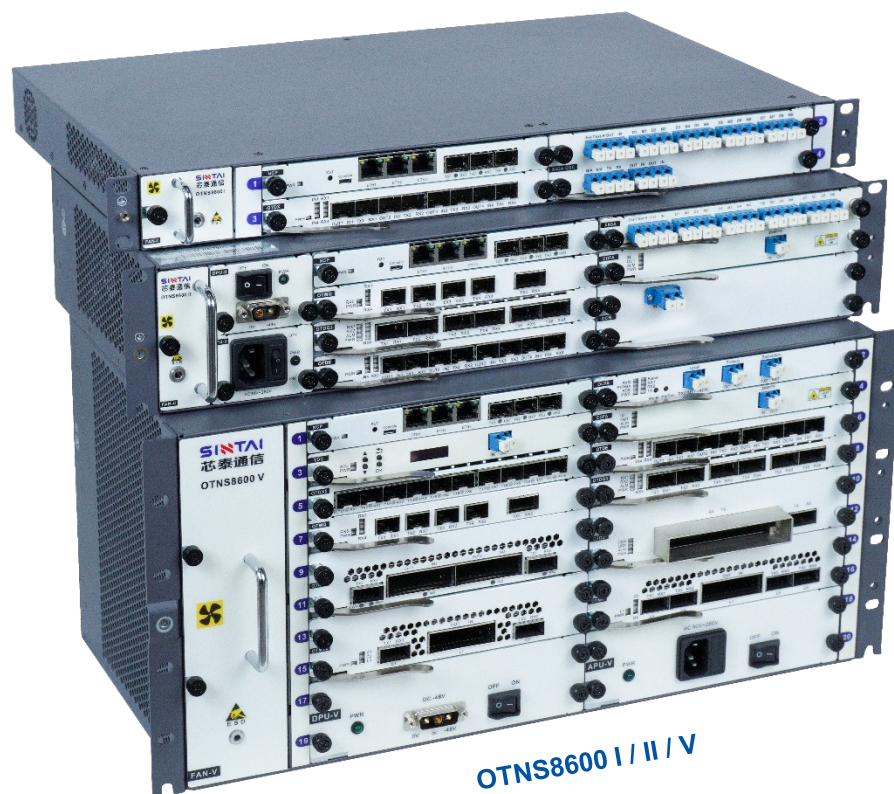








OTNS8600 WDM System



OTNS8600 I / II / V

The OTNS8600 multi-service WDM transmission platform was developed to address the shortage of optical fiber resources in metropolitan area networks. The characteristics are **easy expansion of capacity** , **flexible service access**, **high bandwidth utilization** and **high reliability**.



Excellent architectural design

1U/2U/5U platform, compatible with all business boards, supports WDM and OTN on the common platforms.



Extra large transmission capacity

Supports C -band 96- wave system transmission , and the single-core optical fiber transmission capacity can reach 25.6T(64x400G).



Any service access

Supports 100M~100G full rate and all types of service access.



Unified network management platform

The entire series of products has unified network management , providing complete network and equipment performance monitoring capabilities.



400G Muxponder:



200G Muxponder



2*100G Transponder



100G Transponder



40G&100G Muxponder



16G~32G OTU



3*100G OEO



1G~10G OTU



SOA



EDFA



OLP



OBP



TDC



DCM



MuxDemux



NCP



OTNS8600 DCI-4



OTNS8600 DCI-8

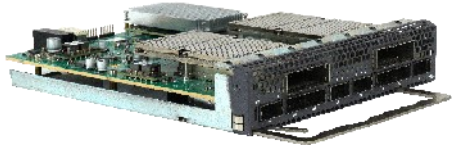
The OTNS8600-DCI is an optoelectronic highly integrated WDM platform designed for data center interconnection (DCI), has high integration, large bandwidth, and simple deployment, easy operation and maintenance, safety and reliability.



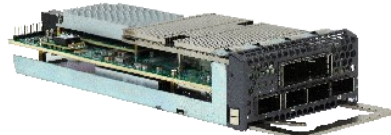
Features

- **High integration:** Adopts integrated optoelectronics and pluggable modular design; components support hot swapping, on-demand deployment and expansion.
- **Large bandwidth:** Each pair of optical fiber transmission capacity can reach 25.6Tbit/s @ C+ band 400G*64 input, and each subrack can reach up to 3.2Tbit/s.
- **Multi-service access:** Supports 400GE, 100GE, 100GE FlexE (transparent mode), 10GE, 10GE WAN, STM-64, FC16/32G, OTU2, OTU4 and other service access.
- **Simple deployment:** The optical layer board is highly integrated with OA, WSS, VOA, OSC, OTDR, OCM, OLP and other functions to simplify internal optical fiber connections. Supports 9-dimensional ROADM networking and flexible grid (FlexGrid).
- **Powerful O&M:** Adopts NETCONF/YANG standard open interface and GUI management platform based on B/S architecture, supports comprehensive performance monitoring of the business layer, OTN layer, and optical layer, with visual quality.

Electrical Layer Card



2*400G Muxponder: P624 (CFP2)



400G Muxponder: P616 (CFP2)



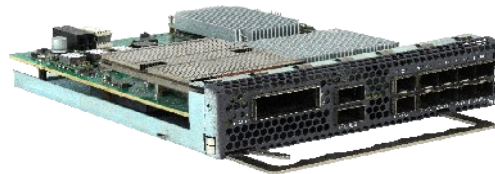
400G Muxponder: P614 (QSFP-DD)



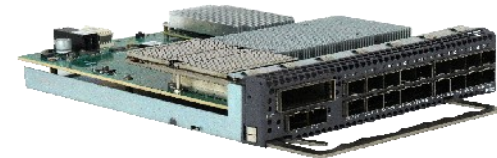
2*200G Muxponder: P524



2*100G Muxponder: P422

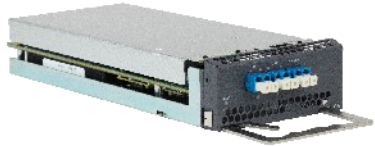


100G+10G Muxponder: P514

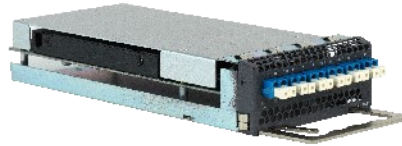


20*10G Muxponder: P512

Optical Layer Card



OA



OLP



OTDR



OCM



TFF



WSS



100G Integrated WDM Device



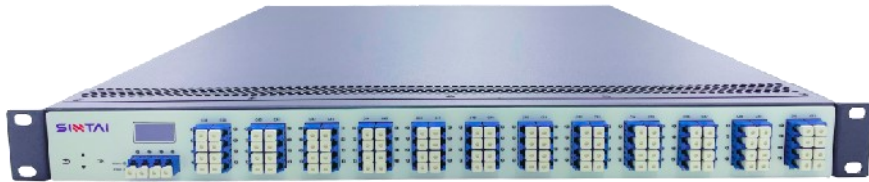
10G Integrated WDM Device



Features

- **Ultra-high integration:** The maximum transmission capacity of a single device can reach 1.2Tbps, and the stacking of two devices can reach 2.4 Tbps.
- **High reliability:** Each channel of service is completely physically isolated and transparently transmitted to improve network security.
- **Purely adaptive:** Supports 100M~100GE storage services.
- **Powerful functions:** Built-in integrated OTU, MDU, EDFA , DCM, OLP, OSC and other units.
- **Power supply and cooling reliability:** Using server dual power supply protection, four sets of powerful double ball fan units
- **Unified network management platform:** 1U rack type, saving 90% of cabinet space, no need to configure when powering on, plug and play: no fiber jumpers, no manual intervention required.

The OTNS8600P integrated WDM device developed for data center interconnection (DCI) scenarios, which has the outstanding characteristics of **large capacity, small size, low power consumption, and excellent cost performance.**



OTNS8600-OLS

The OTNS8600-OLS is an optical line system designed for open transport network architecture, highly integrated **Mux/ Demux, OA (FGA, VGA) , OTDR, OCM , OLP, and OSC functions**, build an ultra-broad, unobstructed, flexible, efficient, intelligent and open DCI network for customers.



Features

- Standard 19-inch 1RU box type, highly integrated with Mux/ Demux, OA (FGA, VGA), OTDR, OCM, OLP, and OSC functions.
- Suitable for C- band 48- wave (100GHz) DWDM system, cascading 2 devices can be expanded to a 96-wave (50GHz) DWDM system.
- Supports multiple types of optical signal access such as NRZ (1-32G), PAM4 (40G/100G), and Coherent (QPSK/8QAM/16QAM).
- No manual configuration is required. After the line is connected, the automatic commissioning function is enabled and automatic deployment is performed according to the WDM line system link control algorithm.
- Supports optical cable monitoring and channel performance monitoring (working wavelength, optical power, OSNR).
- Supports management methods such as CLI, Web, GUL, SNMP and NETCONF, supports visual operation and maintenance, and displays operation and maintenance information through the LCD screen.
- Supports dual power supply configuration, adopts Load Share mode 1 + 1 hot backup, and supports AC, DC, and high-voltage DC power supply.

Optical Amplification System



EDFA



SOA



OEO

Optical Protection System



OLP



OBP


5G Fronthaul WDM System



Semi-active




Passive



SFP+

- 10G SFP+ Dual (300m~80km)
- 10G SFP+ BIDI
- 10G SFP+ CWDM
- 10G SFP+ DWDM



SFP28

- 25G SFP28 Dual (300m~40km)
- 25G SFP28 BIDI
- 25G SFP28 CWDM
- 25G SFP28 DWDM




QSFP+

- 40G QSFP+ PSM4 2km
- 40G QSFP+ LR4 10km
- 40G QSFP+ ER4 40km



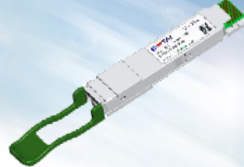
QSFP28

- 100G QSFP28 SR4 100m
- 100G QSFP28 PSM4 2km
- 100G QSFP28 LR4 10km
- 100G QSFP28 ER4 40km



CFP2

- 100G CFP2 SR10 400m
- 100G CFP2 LR4 10km
- 100G CFP2 ER4 40km



QSFP-DD

- 400G QSFP-DD SR8 100m
- 400G QSFP-DD DR4 10km
- 200G QSFP-DD SR8 100m
- 200G QSFP-DD PSM8 2km



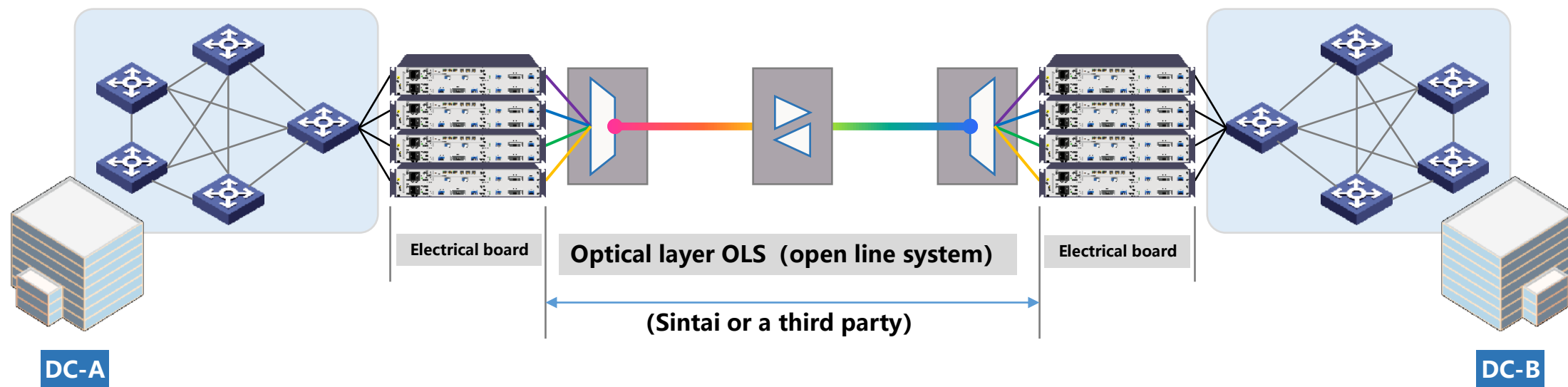
The OTNS8600 network management system is developed based on the B/S architecture, supporting unified management of all communication network products, and achieving management, maintenance, and testing functions for faults, performance, configuration, security, and other aspects of the entire network system. It can provide end-to-end management functions according to user requirements.

Through the use of network management systems, the quality of network services can be improved, maintenance costs can be reduced, and reasonable use of network resources can be guaranteed. At the same time, standard external interfaces can be provided for upper level network management, providing a complete solution for network management of transmission networks.

- One click automatic discovery
- Comprehensive equipment management
- Visual topology management
- Timely fault management
- Refined report statistics
- Deep control of equipment
- Multi-level security management

Metro and Long-distance DCI Solution

In large-capacity metropolitan area networks or long-distance DCI interconnection scenarios, OTNS8600 series products can be used to build ultra-capacity transmission networks to provide sufficient bandwidth resources. Racks and cards are deployed and expanded on demand, reducing initial costs and protecting customer investments, with good scalability and cost-effectiveness.



Superb Performance

Single-wave 400G rate

Metro, medium and long distance scenarios



Super Capacity

25.6Tbps

400G*64 waves



Full Service Access

DC full service support

((Network, service, storage))



Modular Design

All components modular

On-demand deployment & expansion

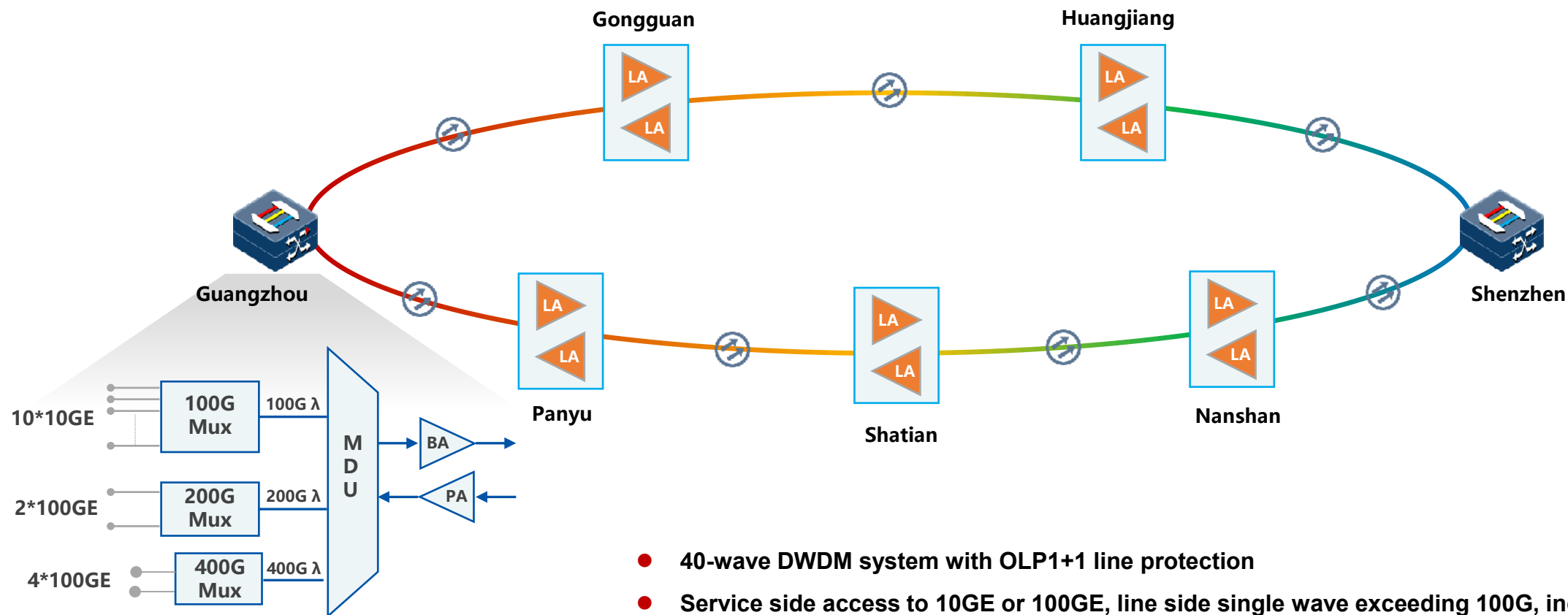


Open System Architecture

Network architecture decoupling

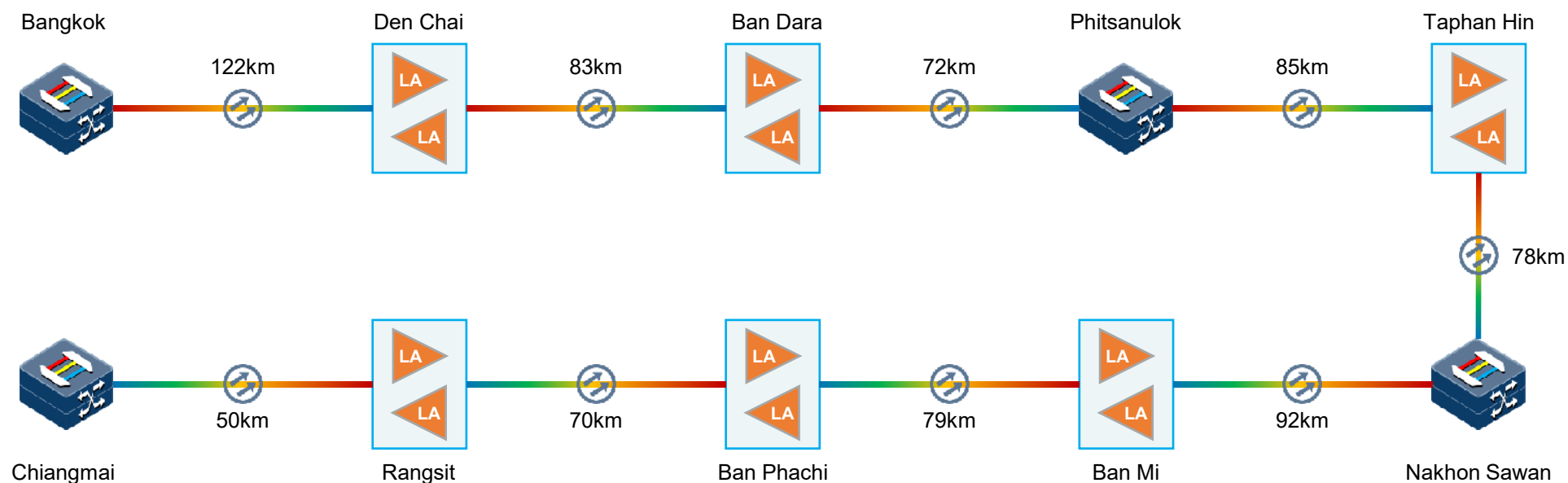
Sintai and third-party optical layer solutions

Data center metro interconnection solution



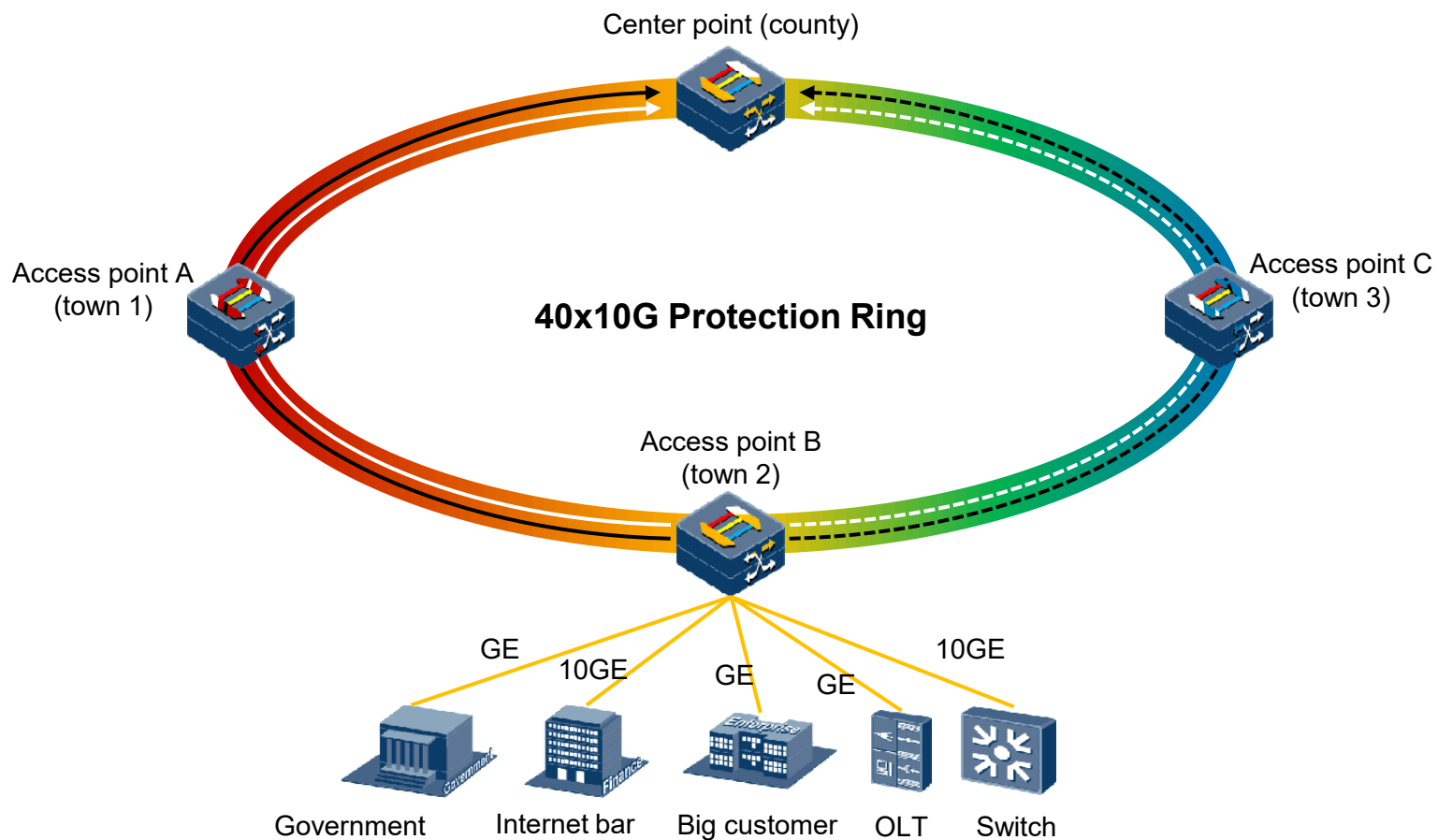
- 40-wave DWDM system with OLP1+1 line protection
- Service side access to 10GE or 100GE, line side single wave exceeding 100G, increasing system capacity and saving channel resources
- Long distance no electric relay transmission

Thailand operator's single fiber bidirectional long-distance transmission solution



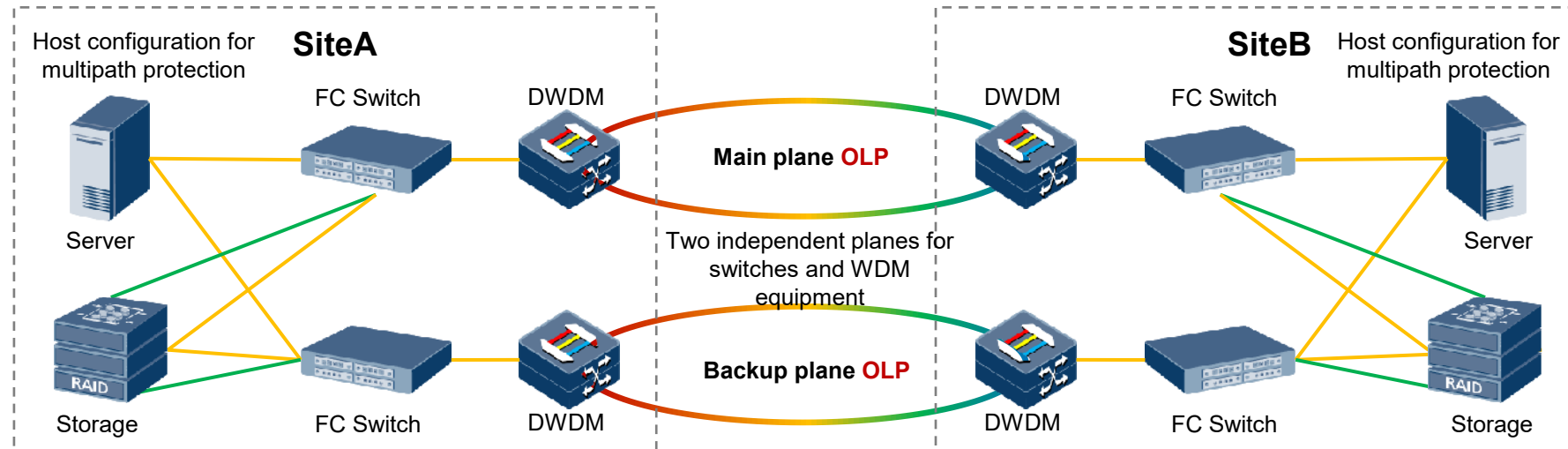
- 16*10G transmission capacity, 2 OTM stations, 2 OADM stations, 6 OLA stations
- Adopting single fiber bidirectional transmission technology, using only one core, saving customer fiber resources
- Single span section over 120km, total transmission distance up to 731km

Broadcasting & Television Network County Township Interconnection Solution



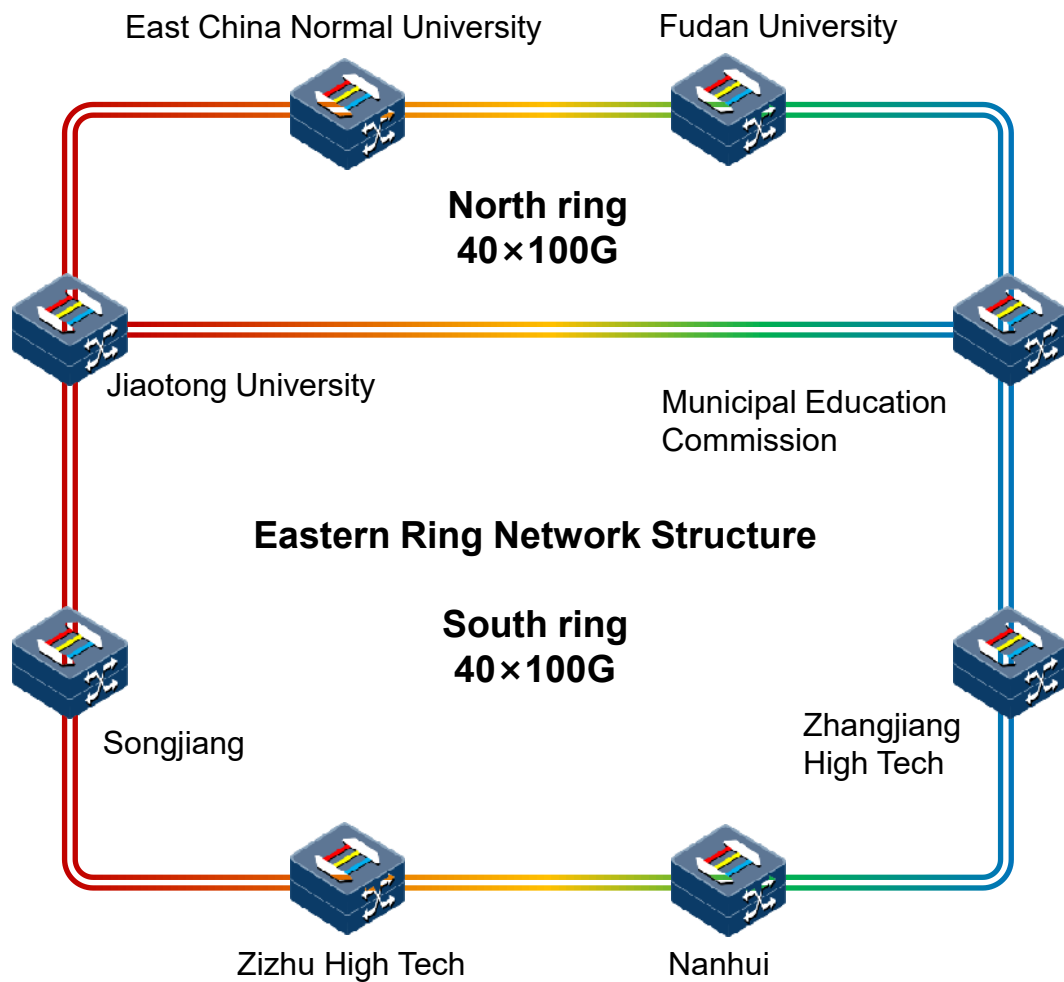
- Fiber optic resources are consumed too fast, service growth is rapid, and multiple types of service are uniformly carried and managed to meet the needs of dedicated network construction for big customers
- Bearer particles include 10GE, GE, FE, STM-1/4, etc., providing end-to-end service
- Satisfy long-distance and long-span transmission between counties and towns
- Ring network structure, bidirectional service protection

Rural Commercial Bank's Main and Backup Dual Plane+Line Side OLP Solution

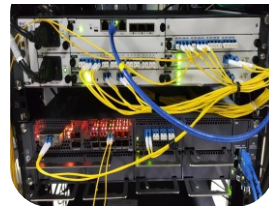
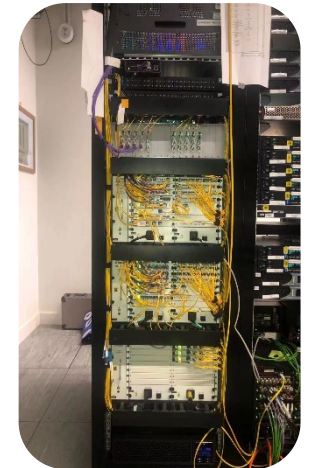
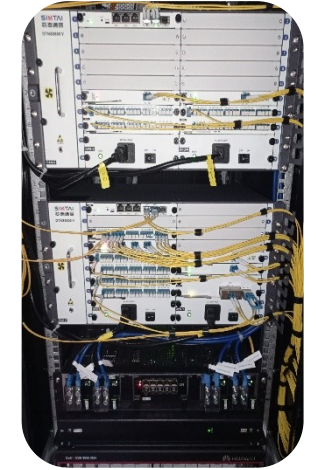


- The storage switch and transmission both use dual planes, with 1+1 protection on the transmission line side
- 19.2T transmission capacity provides large broadband for financial data assets
- Ensure 0 service interruption and 0 data loss in the financial system, and provide ultra-low latency

University Internet Solution



- Using OTNS8600 to build 40*100G network, which can be upgraded to 40 * 200G, easy to expand, meeting the demand for ultra large bandwidth, building the network in one time with worry free for ten years
- Adopting a multi-dimensional protection strategy, all network protection adopts a ring network structure, and all key units are backed up with 1+1
- Unified hardware platform ensures the universality of the entire network service board, reduces spare parts costs, and the unified software platform reduces maintenance pressure





Guangzhou Sintai Communication co., Ltd (Guangzhou Headquarters)

4F, Scientific Building, No. 63 Punan Road, Huangpu District,
Guangzhou, China, 510530

Tel: +86 20-82037001

Fax: +86 20-82553470

Tech: support@sintai.com.cn Sales: sales01@sintai.com.cn

Web: www.optical-sintai.com

Wuhan Tengxin Communication Technology Co., Ltd (Wuhan Subsidiary)

No. 02, 10th Floor, R&D Building, No. 10, Phase III, Modern
International City, East Lake New Technology Development Zone,
Wuhan, China

Beijing Office

Room 1-2208, Times Sail Building, No. 15 Majiapu West Road,
Fengtai District, Beijing, China

Shanghai Office

Room 202, No. 19, Yonghui Xinyuan, Baili Road, Putuo District,
Shanghai, China

Hong Kong Branch

Room 1902, Essence Commercial Building, 253~261 Hennessy Road,
Wanchai, Hong Kong, China