



GENEW TECHNOLOGIES CO.,LTD.

GENEW Optical Access PON Product Line

The core members of Genew optical network team are all from internationally renowned communication companies, bringing extensive experience in product development. From 2008 to 2023, we have successfully developed a series of in-house optical network products, including Optoelectronic Integration products, WDM/GPON products, DCI/OTN-Access/10G PON products. These products enable us to provide a comprehensive solution that covers the optical transport core, aggregation, access, and optical access.

Optical Access PON Product Line

As a next-generation access PON technology, our PON products provide GPON, XG-PON, XGS-PON, Combo PON access. The device can be deployed in FTTH, FTTB, FTTC, FTTD, FTTM scenarios to provide larger bandwidth, higher speeds and more intelligent services for residential subscribers, business customers, mobile and fixed backhauling, Wi-Fi hotspot backhaul, and more.

High Reliability



Dual-control cards, dual-power cards, and multiple uplink protections enhance the security and reliability.

Smooth Evolution and Easy Deployment



A smooth upgrade of PON services can be achieved by simply replacing the cards, allowing different PON services to share a single ODN network.

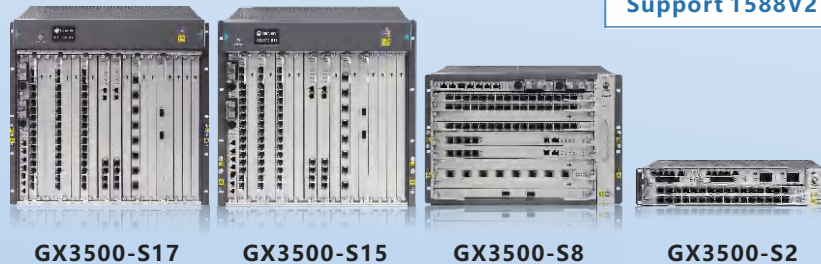
Efficient Operation and Maintenance



All PON products can be integrated into a unified cloud-based network management system, offering strong interoperability and low operation and maintenance costs.

Self-developed PON Products

GX3500-S Series Chassis OLT



Support 1588V2

Specifications

Product Model	GX3500-S17	GX3500-S15	GX3500-S8	GX3500-S2
Service Slots No.	17	15	8	2
CSM Switch Capacity	7.2Tbps			960 Gbps
Maximum Slot Bandwidth	200 Gbps			
GPON/10GPON Ports No.	272	240	128	32
Uplink Capacity	100GE/25GE/10GE/GE			
Uplink Port Capacity(CSM)	2*4*25GE/10GE			2*4*10GE/25GE
Power Supply	DC (1 + 1 redundancy)			DC/AC (1 + 1 redundancy)

Highlights

- Support GPON, XG-PON, XGS-PON and Combo PON;
- All service cards can be shared by S17, S15, S8 and S2;
- Support PTP 1588V2;
- Support smooth evolution to 50G PON;
- Support EasyPON technology, which supports six modes on one Combo PON card; By replacing optical modules, a smooth upgrade from GPON to XG-PON and XGS-PON is achieved, resulting in cost savings.

GX3100 Series Pizza Box 10G PON OLT



Specifications

- Switch Capacity: 800Gbps;
- XG(S)-PON Combo port number: 16/8;
- Uplink Ports: 100GE/40GE/25GE/10GE .
- Heat Dissipation: FAN;
- Power Supply: DC/AC (1 + 1 redundancy);

Highlights

- Support Easy-PON technology;
- Support PTP 1588V2;
- High integration, supporting 16 or 8 XG(S)-PON Combo ports.

Connecting Creates Endless Possibilities



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GX3100 Series Pizza Box GPON OLT



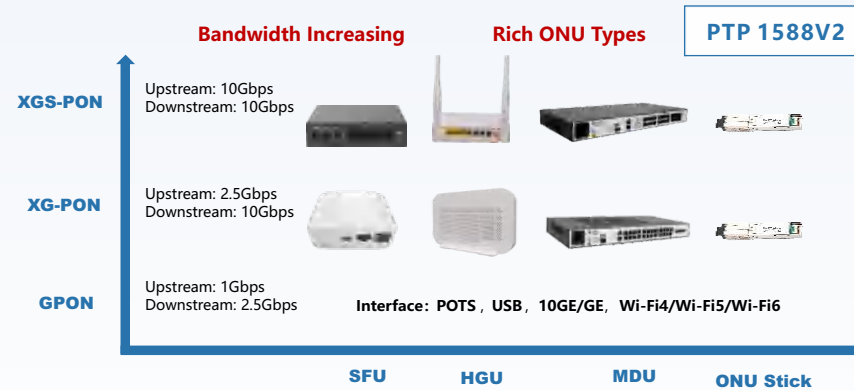
Specifications

- Switch Capacity: 84/124 Gbps;
- No. of GPON Ports: 8/16;
- Heat Dissipation: FAN / Passive Cooling (without FAN);
- Power Supply: DC/AC (1+1 redundancy);
- Uplink Ports: 10GE/GE.

Highlights

- Pizza Box structure, small size and easy installation;
- Passive cooling or hot-pluggable FAN, low maintenance costs;
- High integration, supporting 16 or 8 GPON ports.

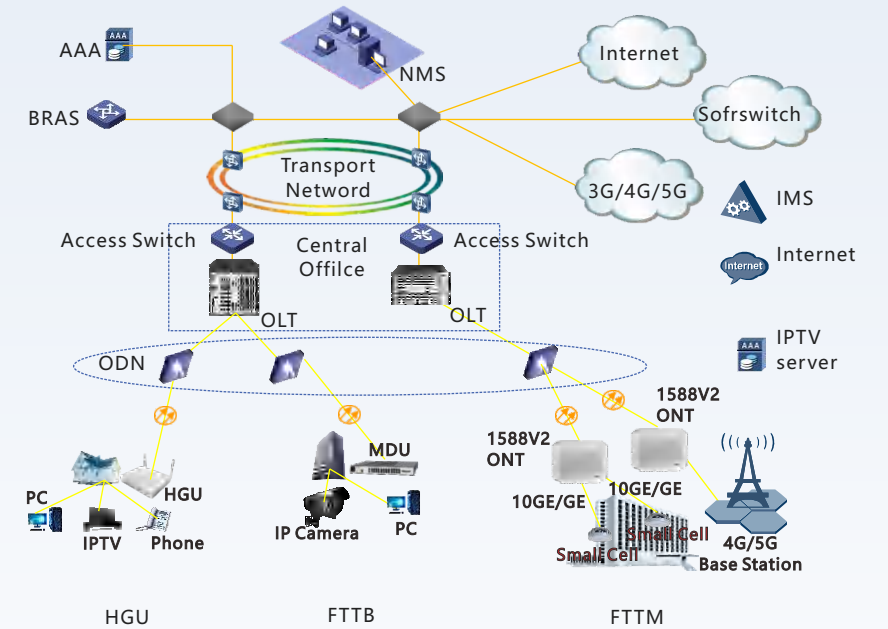
ONT Products



Highlights

- Provide SFU/HGU/MDU/ONU Stick, and support GPON/XG-PON/XGS-PON services, which can cover various application scenarios;
- ONTs provide a variety of interfaces, such as VoIP, USB, GE/10GE port, and support various specifications of Wi-Fi;
- MDU products support GPON/XG-PON/XGS-PON services, 8/16/24 GE ports (with POE/POE+), also support POTS interface.

Typical Applications



GENEW Optical Transport Product Line

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Optical Transport Product Line

The optical transport product line provides a variety of transport technologies and products with large bandwidth, low delay and low jitter of various transport access capabilities. It has rich equipment interfaces, diversified service protection types, and provides comprehensive, flexible and mature transport access, convergence, and core products. These products allow us to provide operators and enterprise customers comprehensive, high-capacity, highly reliable optical network transport solutions.

Multiple Service Interfaces



Support multiple service interfaces, such as TDM interfaces, SDH interfaces, Ethernet interfaces, etc.

Multiple Protection Methods



Equipment-level protection, such as dual-power and dual-control cards. Network-level protection such as LAG, MSP, SNCP. Line 1+1 backup protection.

High Capacity and Efficient Transport



The maximum transport capacity of a single wavelength is 400G. The system has a maximum transport capacity of 96 wavelengths, realizing single-fiber large-capacity high-efficiency transport.

Self-developed Optical Transport Products

GTN6800-W Series WDM Products



Highlights

- Support maximum 32T in a single fiber;
- Support 10G/100G/200G/400G in a single wavelength;
- Support maximum 120 channels;

- Support three models (1U/2U/5U);
- Support OLP protection;
- Support point-to-point, chain, ring and other networking architectures.

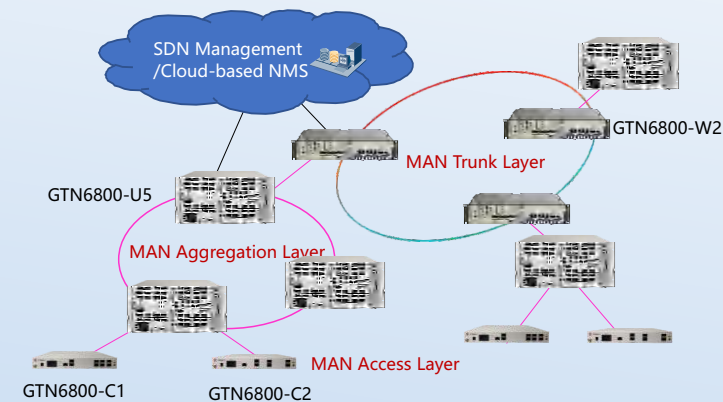
GTN6800-C/U Series OTN-Access Products



Highlights

- Support E1, STM, ETH and OTU services;
- Support abundant OAM and protection;
- Support unified bearer of multiple services;
- Support large bandwidth, low latency, low jitters;
- Support fast deployment and low operation and maintenance costs.
- Comply standard YANG model;
- Support reliable QoS;

WDM+OTN-Access Application Scenarios



Highlights

- Support device-level and multiple network-level protections;
- Support MAN Core, Aggregation and Access solutions for high-capacity transport ;
- Support full-service access: 2M-100G;
- Support FOADM and CDC-ROADM networking.

Connecting Creates Endless Possibilities



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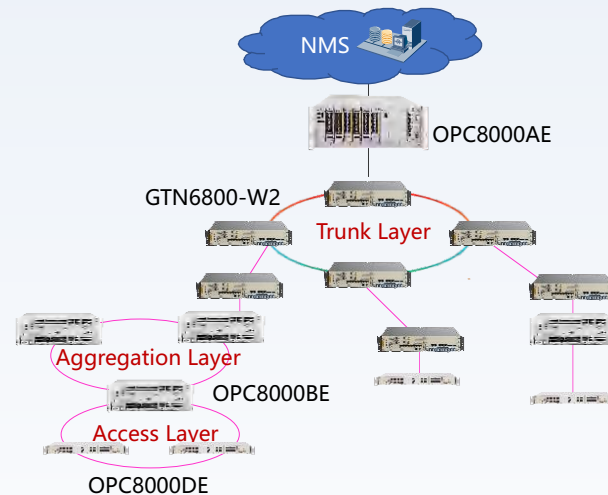
OPC8000 Series PTN Products



Highlights

- Unified bearer of multiple services;
- High-precision time synchronous ;
- Carrier-grade protection/OAM;
- QoS;
- Statistical multiplexing transport bandwidth optimization;
- Simple network management.

WDM + PTN Application Scenario



Highlights

- Support full-service access: 2M-100G;
- Support maximum 25.6T in a single fiber;

- Service end-to-end service configuration;
- Support MAN Core, Aggregation, Access solutions for high-capacity transport .
- Support device-level and multiple network-level protections;

NC5200 series optoelectronic integration



Highlights

- Complete security design;
- Diverse service types;
- Highly integrated architecture;
- Full-rate, full-service bearing networking solutions;
- Supporting PCM, E1, FE/GE, PDH, SDH service access and transport ;
- Large capacity crossover and scheduling.