



BDCOM

BDCOM PON Datasheet Commercial ONU

BDCOM ONUs are new generation intelligent equipment that BDCOM has released for comprehensive multi-service networks. This series of products complies with IEEE 802.3ah, YD/T 1475-2006 and China Telecom EPON technical requirements and has good interconnection and operational abilities so that they can connect and communicate with OLTs made by other mainstream equipment providers.

Based on two decades of technical and market research, this series of ONUs excels in advanced design, outstanding performance, rich product models and various software functions, so they are widely applied Telecom operators and the TV broadcasting/electric power/transportation industries.

Advantages

■ Excellent access performance

They support the uplink-downlink-symmetric 1Gbps PON transmission rate, realize the maximum 1:64 coupling ratio, and have a 20km network coverage semi-diameter; with the help of BDCOM PON relays, their transmission distance can be further extended to 80km, which represents the high bandwidth, high user access ratio and long distance of PON communication.

■ Powerful service bearing

Rich product forms can provide many kinds of ports on the client side, easily realizing the access and integration of data, video and voice. With nearly two decades of scientific research, BDCOM specially develops for this series of ONU the following technologies such as VLAN, STP, multicast, encryption authentication, QoS, security filter, voice protocols and streaming media, so these ONUs have powerful service bearing capability.

■ Elaborate service control

Both SLA and DBA functions make all users to share the 1Gbps bandwidth more reasonably, realize reliable service quality, and ensure different service priorities and service qualities for different services over the network.

The advanced hardware isolation technology can easily realize the isolation and protection of different users and services.

■ Various OAM functions

They support CTC2.1/3.0-defined basic and extended OAM functions, including the configuration, alarm, performance monitoring, fault separation and security management. They not only provide the remote OLT management mode but also support local console platform management.

■ Sound interconnection

Due to compliance with the new requirements of IEEE802.3ah, YD/T 1475-2006 and CTC2.1/3.0, they can interconnect with other mainstream equipment providers' OLTs and set up hybrid networks, making carriers' network construction most cost-effective.

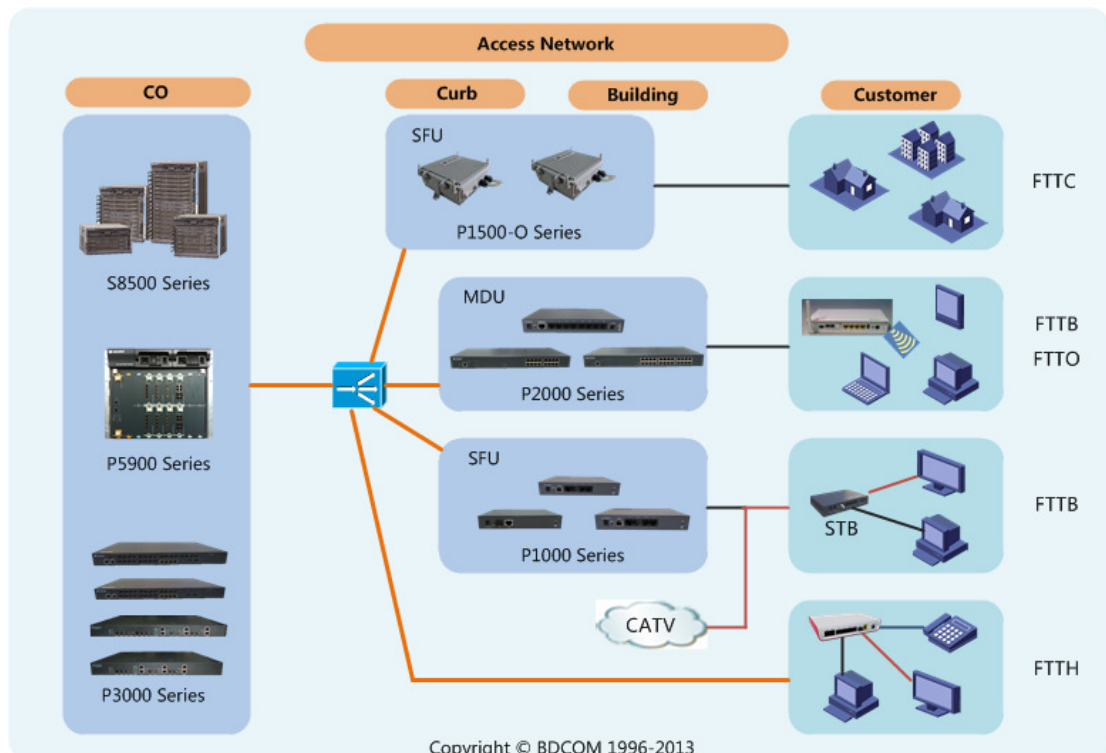
■ Advanced green technology

They are based on BDCOM advanced GreenTouch structure and the Smart@CHIP chip technology, so they are energy-saving, low-carbon and environmentally friendly.

Specifications

Item	FE	GE	POTS	CATV	POE	POWER	APPEARANCE
P1501C	—	1	—	—	—	External adaptor	
P1501C1	—	1	—	—	—	External adaptor	
P1501C2	—	1	—	—	—	External adaptor	
P1004C1	4	—	—	—	—	External adaptor	
P1004C2	4	—	—	—	—	External adaptor	
P1504	—	4	—	—	—	External adaptor	
P2000-8T	8	—	—	—	—	External adaptor	
P2000-16T	16	—	—	—	—	Internal adaptor	
P2000-24T	24	—	—	—	—	Internal adaptor	
P2008-P	8	—	—	—	8	External adaptor	
P2032-16T	16	—	16	—	—	Internal adaptor	
P2048-24T	24	—	24	—	—	Internal adaptor	

FTTx PON Solution



Order Information

Model	Description
P1501C	1 PON port (SC), 1 10/100/1000M auto-adaptable TX port, iron hull, external AC220V adapter
P1501C1	1 PON port (SC), 1 10/100/1000M auto-adaptable TX port, plastic hull, external AC220V adapter
P1501C	1 PON port (SC), 1 10/100/1000M auto-adaptable TX port, iron hull, external AC220V adapter
P1004C1	1 PON port (SC), 1 10/100/1000M auto-adaptable TX port, plastic hull, external AC220V adapter
P1004C2	1 PON port (SC), 1 10/100/1000M auto-adaptable TX port, iron hull, external AC220V adapter
P1504	1 PON port (SC), 4 10/100/1000M auto-adaptable TX ports, iron hull, external AC220V adapter
P2000-8T	1 PON port (SC), 8 FE TX ports, iron hull, external AC220V adapter
P2000-16T	1 PON port (SC), 16 FE TX ports, iron hull, internal AC220V adapter
P2000-24T	1 PON port (SC), 24 FE TX ports, iron hull, internal AC220V adapter
P2008-P	1 PON port (SC), 8 FE TX ports, iron hull, external AC220V adapter, POE functions, BDCOM PSE01 (1 data port, 1 power supply port, AC220V)
P2032-16T	1 PON port (SC), 16 FE TX ports, connecting 16 language signal lines (4 th or 5 th line), iron hull, internal AC220V power supply
P2048-24T	1 PON port (SC), 24 FE TX ports, connecting 24 language signal lines (4 th or 5 th line), iron hull, internal AC220V power supply