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AN5116-06B OLT

AN5x16 OLT is carrier-class 10 Gigabit Platform PON central office equipment, which adopts industry-leading technology and supports full front cards, front access design, and high-density XPON port cards. It supports GE/10GE/STM-1/E1 uplink interfaces, which can be shared on the same platform with GPON/EPON/10G PON/P2P for sustainable evolution to make the network construction more effective. Using high performance chips makes it cost-effective, green and reliable.

The AN5116-06B is a new intelligent carrier-class MSAN/EPON/GPON/10G PON integrated access product offered by FiberHome. It is large carrier-class central office equipment. It is being used and works together with the remote end ONUs (Optical Network Unit) as an office end OLTs (Optical Line Terminal) in MSAN/EPON/GPON/10G PON system. Besides, it supports integrated broadband / narrowband services, such as POTS, ADSL2+, VDSL2, VoIP, TDM, data, IPTV, CATV. It converges Layer 2 and Layer 3 data.

Key Features

Super Access Ability

- High capacity and Density carrier-class 10 Gigabit PON platforms supporting 256 PON ports, switch card capacity of 3.84T and backplane bus capacity of 5.12 Tbit/s
- Support 1*10GE+ 4*GE, 2*10GE+ 2*GE and 6*GE (optical or electrical). Support STM-1/E1 private uplink interface and up to 16*16GE downlink P2P interfaces
- It has capability to support split-ratio of 1:32/64/128 long haul transmission and CLASS C+ optical module

Multi-service Access

- Provide Internet, Voice, IPTV, CATV and TDM services
- Support IEEE 1588v2 protocol and 1PPS+TOD Clock interface
- Support OSPF, VRRP and RIP L3 protocols
- Unify platform of MSAN/EPON/GPON/10G PON/P2P for FTTX Smooth evolution

High Reliability Optimization Design

- Standard 19" inches cabinet supporting 16 service slots
- Full front card and front access design
- Support hot plug for all cards and PON modules
- Support redundancy error-check protection for services, controller and uplink cards
- End-to-end protection, uplink ports RSTP/LACP protection and downlink PON port millisecond level switch protection

Green Energy

- The overall power consumption is lower than the average industry level
- Use the high performance and lower consumption chip
- 8-level intelligent temperature control fan and support idle ports sleeping mode and energy saving

Typical Application Scenarios

The AN5116-06B is suitable for the application of FTTH / FTTB / FTTC / FTTM / FTTM/etc.. And it is usually placed in a residential community or a central office. An illustration of the AN5116-06B network diagram is shown in Figure 1-1.

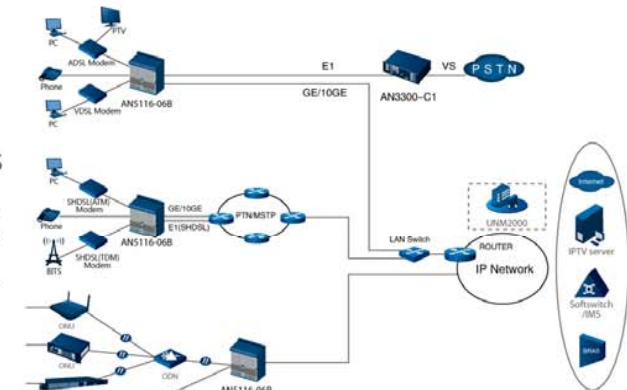


Figure 1-1 The AN5116-06B network diagram

Product Specifications

Feature		Specification
Switch card capacity		3.84T
Backplane bus capacity		5.12 Tbit/s
Uplink card type		1*10GE+ 4*GE, 2*10GE+ 2*GE, 6*GE
Service Interface Type	Uplink interface	10GE optical interface, GE optical interface, GE electrical interface, STM-1 optical interface, E1 electrical interface
	Subscriber interface	POTS/SHDSL/ADSL2+/VDSL2/GE interfaces EPON/GPON/10GEPON/XGPON interfaces
	Management interface	EMS interface, GE interface, Console interface (using RS-232 interface protocol), RJ-45 interface (using RS-232 interface protocol)
	Dry contact interface	RJ-45 interface
	External clock interface	Clock coaxial interface
	Alarming interface	RJ-45 interface
Physical dimensions		<ul style="list-style-type: none"> Height: 471.65mm Depth: 262.7mm Width: 480.8mm
Power inputs		Equipment room voltage: -48V DC (-40V ~ -57V)
Power consumption		<ul style="list-style-type: none"> < 600W (Fully loaded with EPON cards) < 850W (Fully loaded with GPON cards)
Weight		<ul style="list-style-type: none"> Empty subrack (fans included): 20kg Subrack (fully loaded with cards): 30kg
Operating temperature		-10 °C ~ +55 °C
Operating relative humidity		≤ 90%
Atmospheric pressure		86kPa ~ 106kPa
Electromagnetic compatibility standards		CISPR 22, CISPR 24, EN 300 386, EN 55022, EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, ETSI EN 300132-2, ETSI EN 300386 V1.4.1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, ITU-T K.20, ITU-T K.43, ITU-T K.48
Safety standards		EN 60825-1, EN 60825-2, EN 60950-1, IEC 60825-1, IEC 60825-2, IEC 60950-2001, UL 60950-1:2003



AN5516-06 OLT

AN5x16 OLT is carrier-class 10 Gigabit Platform PON central office equipment, which adopts industry-leading technology and supports full front cards, front access design, and high-density XPON port cards. In addition, it supports GE/10GE/STM-1/E1 uplink interfaces, which can be shared on the same platform with GPON/EPON/10G PON/P2P for sustainable evolution to make the network construction more effectively. Using high performance chips makes it cost-effective, green and reliable.

The AN5516-06 is an EPON / GPON integrated access product with intermediate capacity offered by FiberHome. It is compact carrier-class central office equipment. It caters for the requirements on networking for FTTH, FTTB, base station backhauling and private line services. It supports multiple services such as VoIP, TDM, data, IPTV and CATV to meet the requirement of Triple-play. In addition, it is used together with the remote end ONU forming a complete convergence layer function.



Key Features

- Suitable for medium-sized density equipment users
- Dimensions (mm) 530W/265H/230D
- Total Slot : 10
- Service Slot : 6
- Switch card capacity : 976G
- Backplane bus capacity : 1.92T
- Support 96 PON high-density service card
- Unify platform of EPON/GPON/10G PON/P2P
- Unify software and interface card sharing with AN5116-06B



Typical Application Scenarios

The AN5516-06 is suitable for the application of FTTH / FTTB / FTTC / FTTO. It is usually placed in a residential community or a central office.

An illustration of the AN5516-06 network diagram is shown in Figure 1-1.

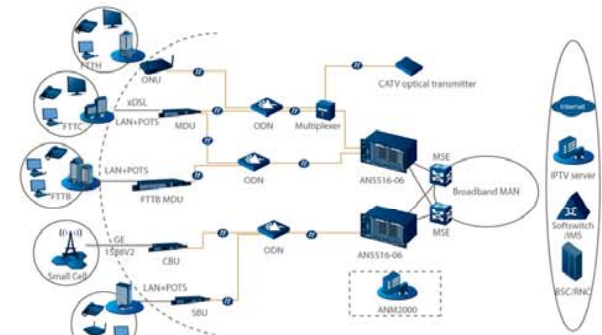


Figure 1-1 The AN5516-06 network diagram

Product Specifications

Feature		Specification
Switch card capacity		976G bps
Backplane bus capacity		1.92T
Uplink card type		1*10GE+ 4*GE, 2*10GE+ 2*GE, 6*GE
Service Interface Type	Uplink interface	10GE optical interface, GE optical interface, GE electrical interface, STM-1 optical interface, E1 electrical interface
	Subscriber interface	EPON/GPON/10GEPON/XGPON interfaces
	Management interface	FE interface, 10 GE / GE interface, RJ-45 port (using RS-232 interface protocol)
	Environment supervision interface	RJ-45 port (using RS-485 interface protocol)
	Dry contact interface	RJ-45 port
	External clock interface	Clock coaxial interface
	Alarming interface	RJ-45 port
Physical dimensions		<ul style="list-style-type: none"> • Height: 265.9mm • Depth: 230.5mm • Width: 530mm
Power inputs		Equipment room voltage: -48V DC (-40V to -57V)
Power consumption		<550W (Fully loaded with cards)
Weight		Empty subrack (fans included): 12kg Subrack (fully loaded with cards): 21kg
Operation temperature		-10℃ ~ +55℃
Operation relative humidity		10% ~ 90%
Atmospheric pressure		86kPa ~ 106kPa
Electromagnetic compatibility standards		CISPR 22, CISPR 24, EN 300 386, EN 55022, EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, ETSI EN 300132-2, ETSI EN 300386 V1.4.1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, ITU-T K.20, ITU-T K.43, ITU-T K.48, YD/T 1244-2002
Safety standards		EN 60825-1, EN 60825-2, EN 60950-1, IEC 60825-1, IEC 60825-2, IEC 60950-2001, UL 60950-1:2003



FiberHome Mini OLT AN5516-04

AN5516-04 platform produced by FiberHome is one of the most advanced FTTX equipment. The AN5516-04 is carrier class OLT equipment with large capacity. The AN5516-04 provides MSAN/EPON/GPON/10G PON/P2P user interfaces and GE/10GE uplink interfaces.



Key Features

PON features

- Unify platform for EPON/GPON/10G PON/P2P
- Sharing service cards with AN5116-06B
- Up to 32 PON ports per chassis
- Flexible uplink card: 2*10GE+2*GE, 1*STM-1, 32*E1

Reliability features

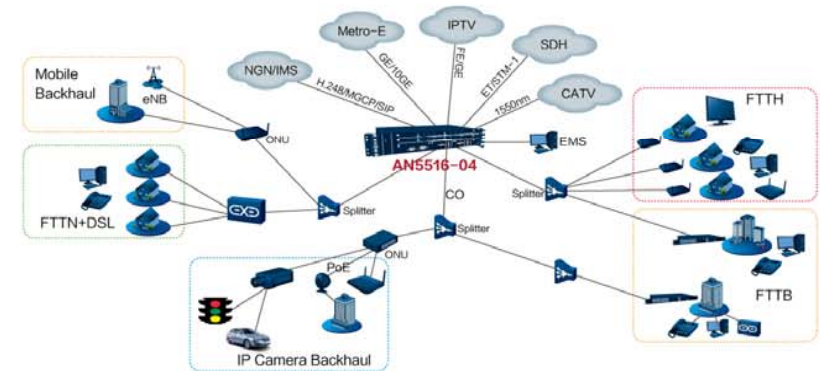
- Core card 1+1 redundancy
- OSPF dual homing
- STP/RSTP/MSTP ring protection
- Trunk/LACP for uplink protection

Synchronization features

- High precision sync-Ethernet & 1588v2
- 1PPS+ToD output



Typical Application Scenarios



Product Specifications

Feature		Specification
Dimensions(mm)		88(H)/ 239.5(D)/480(W)
Total slot		6
Service slot		2
Service interface	Uplink	2*10GE+2*GE, 1*STM-1, 32*E1
	EPON	8/16 ports EPON cards
	GPON	8/16 ports GPON cards
	10G GPON	4 ports 10G GPON card
	10G EPON	4/8 ports 10G EPON cards
	P2P Ethernet	16 ports P2P Ethernet card
Power inputs		Equipment room voltage: -48V DC (-40V ~ -57V)
Power consumption		< 200W (Fully loaded with EPON cards)
		< 200W (Fully loaded with GPON cards)
Weight		Empty subrack (fans included): 4.1kg
Operation temperature		-10 °C ~ +55 °C
Operation relative humidity		≤90%



GPON MDU Series

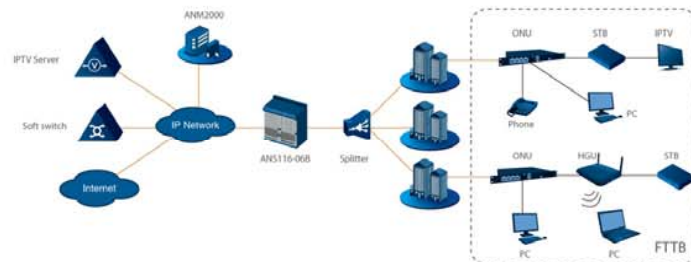
AN5506 series are industry-leading remote Multi Dwelling Units (MDUs), which provide broadband services and voice over IP service on fiber to the building (FTTB) network. AN5506 series are box-type devices with 8/16/24-channel LAN ports or LAN+POTS, which are low power consumption, passive cooling design, high stability, eco-friendly and low energy consumption for family users as well as small to medium-scale enterprises along with easy installation and maintenance.

Features and Benefits

- Meet diverse FTTB network requirements with rich specifications
- High performance IPTV service management such as strong service switching & packet forwarding capability. It also enables high integration with the feature of carrier-class multicast operation
- Perfect voice features support basic services (voice/fax/modem) and supplementary services (three-way calling, call-waiting, call transfer and calling restriction)
- Efficient management and maintenance supporting remote opening and remote patch upgrade facility and remote fault location
- Passive cooling without any fans help to reduce power consumption and noise
- Support two voice-channel wiring models of ~hybrid I/O in different situations
- Carrier-class reliability under consideration of flexible and reliable indexes in hardware or software with systems to ensure the operation of equipment

Scenarios

The AN5506 series MDU are used on FTTB network and installed in corridor or outdoor cabinet which is connecting to Optical Line Terminal (OLT) through GPON uplink ports, and meet the requirements of Voice/Data/IPTV for downlink by using CAT5 cable medium.



Specifications

Type	AN5506-06-EG	AN5506-09	AN5506-07	AN5506-10
Diagram				
Dimensions (W*D*H)	440mm×190mm×44mm	440mm×(190/225)mm×44mm	440mm×(190/225)mm×44mm	440mm×(190/225)mm×44mm
User-side Interface	4GE+8E1	8FE/8FE+8POTS	16FE/16FE+16POTS	24FE/24FE+24POTS
Power Supply	AC: 220V DC: -48V	AC: 220V DC: -48V	AC: 220V DC: -48V	AC: 220V DC: -48V
Power Consumption	<25W	<25W	<35W	<40W
Lightning Prevention Capability	Power module:6KV User-side Interface:4KV	Power module:6KV User-side Interface:4KV	Power module:6KV User-side Interface:4KV	Power module:6KV User-side Interface:4KV
Operating Temperature	-30℃~55℃	-30℃~55℃	-30℃~55℃	-30℃~55℃
Ambient humidity	10% to 90%, non-condensing	10% to 90%, non-condensing	10% to 90%, non-condensing	10% to 90%, non-condensing

Features

GPON	ITU G.984-compliance
Broadband	4K VLAN, supporting QinQ, VLAN 1:1 and N:1 translation
	16K MAC addresses
	Dual management modes based on DBA technology
Multicast	ACL rules filtering and unknown unicast, broadcast and multicast packets suppression
	IGMPv2 and IGMPv3
	IGMP proxy and Snooping
Security	A maximum of 1024 configurable multicast
	PPPoE+ and DHCP option82
	Triple churning algorithm to downstream data encryption
	Supports MAC/IP address filtering and binding functions
	Anti-DOS attack and firewall
Maintenance and management	Line loopback detection
	Remote upgrade and monitoring



GPON ONT Series

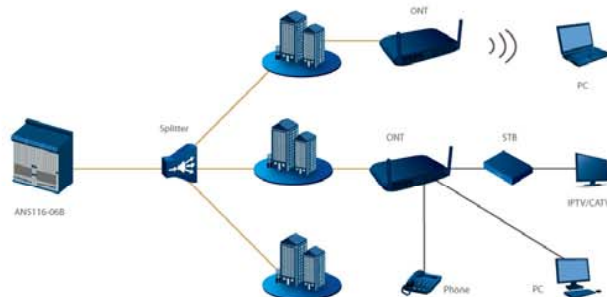
AN5506 GPON ONT series equipments are manufactured and developed by FiberHome, a leader in FTTH/FTTO broadband access network field. They are properly managed with features such as high-bandwidth, high reliability, low power consumption and satisfy the users requirement to access broadband, voice, data and video etc.

Features and Benefits

- Suitable for home broadband, e-government and enterprise access with integrated access demands of broadband, voice, data and video etc
- Provides complete series of FTTH solutions for pure data, double play and triple play services. Besides, both indoor and outdoor types can be applied to meet the different application environment
- The outdoor type of ONT with cast-aluminium shell adopts an industrial design
- Support 16 PON high-density service card
- High efficiency management and maintenance with port based mode configuration as well as port based status query
- Carrier-level reliability in hardware/software and other system design to fully guarantee the normal operation of equipment

Scenarios

ONT is applied to meet multi-service demands for single family or enterprise in FTTH/FTTO scenarios, which get uplink access through PON and is deployed in the houses for the user's differential demands like broadband/voice and video etc.



GPON Series ONT Specifications

Type	AN5506-01-A	AN5506-04A	AN5506-04-B	AN5506-04C	AN5506-04-D	AN5506-04FG	AN5506-04G
Diagram							
H/W/D	32x128x107	32x170x130	32x170x130	35x210x150	36x211x154	36x211x154	36x211x154
Network Side Interface	GPON	GPON	GPON	GPON	GPON	GPON	GPON
User Side Interface	1*GE	4*FE/GE	4*FE/GE+2*POTS	4*GE+2*POTS+1*CATV	4*GE+1*WIFI	4*GE+2*POTS+1*WIFI	4*GE+2*POTS+1*WIFI+1*CATV
Power Supply	AC: 220V DC:1.2V/1A	AC: 220V DC:1.2V/1A	AC: 220V DC:1.2V/1A	AC: 220V DC:1.2V/1.5A	AC: 220V DC:1.2V/1.5A	AC: 220V DC:1.2V/1.5A	AC: 220V DC:1.2V/1.5A
Power	<5W	<8W	<10W	<11.5W	<10W	<12W	<12W
Lightning Protection	Power 4KV user interface 1.5KV	Power 4KV user interface 1.5KV	Power 4KV user interface 1.5KV	Power 4KV user interface 1.5KV	Power 4KV user interface 1.5KV	Power 4KV user interface 1.5KV	Power 4KV user interface 1.5KV
Operating Temperature	-5℃~45℃	-5℃~45℃	-5℃~45℃	-5℃~45℃	-10℃~45℃	-5℃~45℃	-5℃~45℃
Ambient Humidity	Non-condensing 10%~90%	Non-condensing 10%~90%	Non-condensing 10%~90%	Non-condensing 10%~90%	Non-condensing 10%~90%	Non-condensing 10%~90%	Non-condensing 10%~90%

Product Characteristics

GPON Feature	Complied with ITU G.984 series of standards
Broadband	VLAN number: 4K, QinQ, VLAN 1:1 and N: 1 translation
	Support dual management model based on DBA technology and priority
	ACL filtering and unicast/multicast/broadcast service suppression for unknown packet
Multicast	Support IGMP V2/V3, Support IGMP Snooping/IGMP Proxy, Multicast programs: 1024
Voice	H.248/SIP protocol
Security	PPPoE+ and DHCP Option82
	Downlink data encryption by triple stir algorithm
	MAC/IP filtering and binding functions
	Anti-DOS attack and firewall functions: Online loopback monitoring function for Ethernet ports
Maintenance Management	Port state query, remote upgrading and remote monitoring
OAM	Power supply mode configuration for ports
	Query of port status
	Remote upgrade and monitoring



MSAN Series

Advantaged for telecommunication operators, government companies and enterprise customers, FiberHome complete series of MSAN products are used to provide integrated broad-band and narrow-band access services. FiberHome MSAN products provide ADSL2+/VDSL2/E1/POTS/G.SHDSL interfaces, support high speed internet access /IPTV services, etc., and also support V5/SIP/H.248 voice protocols to be seamlessly connected to PSTN/NGN/IMS networks.

Features and Benefits

- Superior quality and large capacity of single cabinet, which provides up to 1024 lines and 16 service slots
- Versatile interfaces such as uplink interfaces of FE/GE/XGE/E1 etc., and user interfaces of ADSL/ADSL2+/G.SHDSL/POTS etc., and FE/GE/XGE management interface/-48 DC power supply interface
- Flexible solution with PSTN voice service, pure XDSL data service and Triple Play etc
- Smoothly upgraded to PON network by replacement of PON uplink card
- Perfect voice access function and voice processing protocols like SIP, H.248, etc
- With perfect multicast function, IGMP V2/V3 is supported at both user side and network side interfaces of the equipment, so that a flexible multi-cast solution can be achieved for the customer
- With flexible QinQ VLAN function, strong VLAN stacking and VLAN translation functions are provided, so that user's services can be managed effectively and network security improved
- Provide strong QoS guarantees end to end QoS solution for the whole network. Different QoS are provided to different customers and services, which lays a foundation for management of various services
- Perfect security mechanisms, designed with carrier-class reliability, which can fully guarantee the security of subscriber's services
- High reliability with consideration of system reliability in system/software design and hardware design of the MSAN product. Redundant protection is provided for the power supply, fans, cards and interfaces together with the optical line protection switching mechanism to ensure normal operation of the equipment
- Maintenance and Management of network functions like configuration management, security management, performance management and fault management tools user's routine maintenance and fault diagnosis

Scenarios

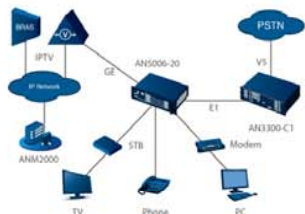


Figure 1-1 The AN5006-20's positioning in the network

At the network side, the AN5006-20 can provide the E1/GE uplink port. And at the client side, the AN5006-20 can access multi-services such as the broadband service, PSTN voice service and IPTV service.

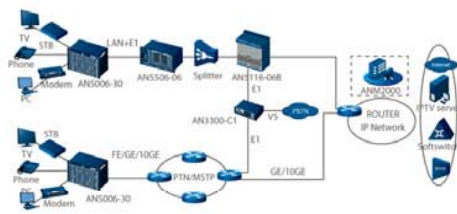


Figure 1-2 The AN5006-30's positioning in the network

At the network side, the AN5006-30 provides the FE / GE / 10GE / E1 uplink interface. And at the client side, the AN5006-30 provides multiple voice and data interfaces such as the ADSL2+ and POTS interfaces.

MSAN Series Technical Specifications

Type	AN5006-20	AN5006-30
H/W/D	88mmx486mmx253mm	335mm x 444.8mm x 267.75mm
Network Interface	E1	E1
	FE/GE	FE/GE/10GE
User Interface	POTS/ADSL2+/VDSL2/G.SHDSL/E1	POTS/ADSL2+/VDSL2/G.SHDSL
Power Supply	AC: 220V DC: -48V	DC: -48V
Power Consumption	<300W	<1300W
Anti-lightning	6kV	6kV
Operation Temperature	-30℃ ~ 55℃	-10℃ ~ 55℃
Ambient Humidity	Non-condensing, 10% ~ 95%	Non-condensing, 10% ~ 95%
Weight (Fully Configured)	12kg	29.1kg

Product Characteristics

E1	Support ITU-T G.703 series of standards
Ethernet	Support IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.3ad, 802.3ab, 802.3ae, 802.1D, 802.1Q, 802.1P, 802.1w standards etc
Broadband	VLAN quantity: 4K, support flexible QinQ function, support 1:1 and N:1 translation of VLAN
	MAC address quantity: 16K
	DBA technology and priority based dual management model
Multicast	ACL filtering, unknown unicast, multicast and broadcast packet suppressing
	IGMP V2/V3, IGMP Snooping/IGMP Proxy, Multicast programs: 1024
	PPPoE+ and DHCP Option82
Security	Downlink data encryption by triple stir algorithm
	MAC/IP filtering and binding functions
	Anti-DOS attack and firewall functions
OAM	Online loopback monitoring function for Ethernet ports
	Power supply mode configuration for ports, query of port status
	Remote upgrade and monitoring
Electromagnetic Compatibility Standards	CISPR 22, CISPR 24, EN 300 386, EN 55022, EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, ETSI EN 300132-2, ETSI EN 300386 V, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, ITU-T K.20, ITU-T K.43, ITU-T K.48
Safety Standards	EN 60825-1, EN 60825-2, EN 60950-1, IEC 60825-1, IEC 60825-2, IEC 60950-2001, UL 60950-1:2003



FiberHome CBU

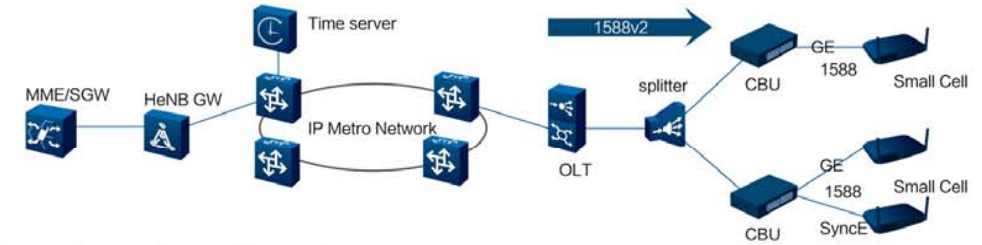
AN5161 is industry-leading Cellular Backhaul Units (CBU), which provide mobile backhaul service on fiber to the mobile (FTTM) network. The AN5161/AN5506-06-G is box-type devices with EPON/GPON/GE uplink and GE user interface, which are low power consumption, passive cooling design, high stability, eco-friendly and low energy consumption for family users as well as small to medium-scale enterprises along with easy installation and maintenance.

Key Features

- 6*GE auto-adapting port : 4 copper+2 optical
- Precision clock & phase synchronization: support SyncE & 1588v2, capable of small cell backhaul
- High QoS: ensure delay & packet loss requirements using hierarchy QoS
- Plug and play: offline provision, support remote configuration, upgrading and diagnosis
- Fanless design : lower noise and power consumption
- Carrier grade design: reliability consideration during hardware, software and system design



Typical Application Scenarios



Product Specifications

Feature	Specification
PON features	Comply with ITU G.984/IEEE 802.3ah standards
Broadband features	4K VLAN, supporting QinQ, VLAN 1:1 and N:1 translation
	16K MAC addresses
	Dual management modes based on DBA technology
Multicast features	ACL rules filtering and unknown unicast, broadcast and multicast packets suppression
	IGMPv2 and IGMPv3
	IGMP proxy and Snooping
Clock features	A maximum of 1024 configurable multicast
	Sync-Ethernet & 1588v2
Reliability features	1pps+ToD & 2M clock output
	Type B/C PON protection
	PPPoE+ and DHCP option82
	Triple churning/AES-128 algorithm to downstream data encryption
	Supports MAC/IP address filtering and binding functions
	Anti-DOS attack and firewall
Maintenance features	Line loopback detection
W/D/H	Remote upgrade and monitoring
Uplink interface	250 mm×200mm×44 mm
User interface	2*GPON/2*EPON/2*GE
Power Input	6 GE(4 RJ-45 & 2 SFP)
Power Consumption	AC: 220V, DC: -48V
Working temperature	<20W
Working humidity	-30℃ ~ 60℃
	10% ~ 90%



FiberHome PoE/RPoE ONU

The AN5121 is a series of GPON FTTB type optical network units specially developed for the network access at the outdoor environment, which has the Power over Ethernet (PoE) and reverse Power over Ethernet (RPoE) function. The AN5121-4GP is especially designed for AP/IP camera backhaul scenarios, it can provide both data channel and DC power. The AN5121-8GR is able to get power source from end user when it's difficult to get local power feed.



AN5121-8GR



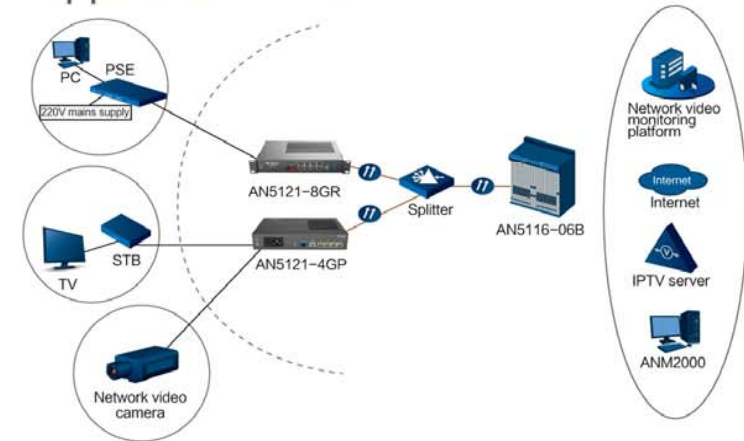
AN5121-4GP

Key features

- High environmental suitability: Use sealed structure with the functions of strong water-proof and dust-proof. Steady operation in extreme conditions
- Perfect function of PoE/ RPoE: Supports the PoE/RPoE function, based on the IEEE 802.3af / at standard. Support RPoE function
- High QoS: Ensure delay & packet loss requirements using hierarchy QoS
- Plug and play: Offline provision, support remote configuration, upgrading and diagnosis
- Carrier grade design: Reliability consideration during hardware, software and system design



Typical Application Scenarios



Product Specifications

PON features	One GPON interface is available, which meets the ITU-T G.984 standard
Service parameters	Supports the IEEE 802.1Q / 802.1P VLANs and VLAN-based selective QinQ Supports 4095 VLANs at most
	The capacity of the system MAC address table is 16 kB
	All ports support line rate forwarding
	Supports eight priority queues at most. Supports the SP, WRR, and SP+WRR scheduling modes
Maintenance features	Remote upgrade and monitoring

Product Specifications

	AN5121-8GR	AN5121-4GP
H/W/D	44mm × 230 mm × 145 mm	45 mm × 240 mm × 150 mm
Uplink interface	1*GPON	1*GPON
User interface	8*FE	4*GE
Power Input	RPOE(internal PD)	220AC
Power Consumption	<10W	<130W
Working temperature	-30℃ ~ 60℃	-30℃ ~ 60℃
POE	N/A	802.3af/802.3at



AN5172-8GR

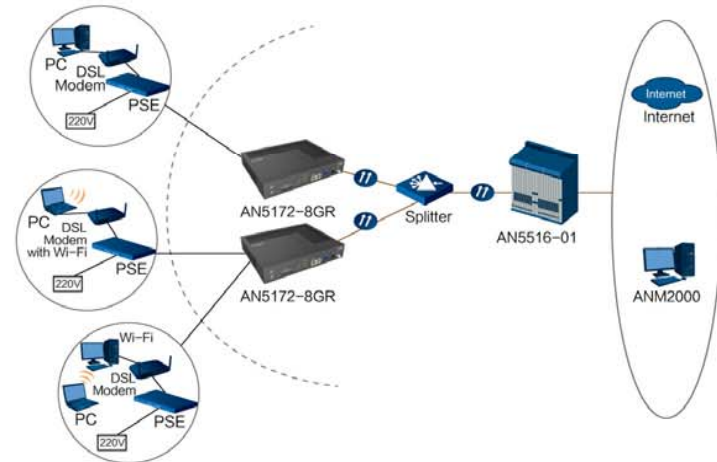
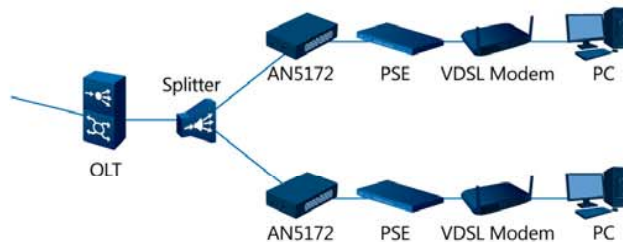
AN5172-8GR is an FTTC-type GPON optical network unit developed by FiberHome. It supports RPF (Reverse Power Feeding) via the DSL port of the PSE (Power Sourcing Equipment) on the user side. The AN5172-8GR can be used together with the GPON central office equipment developed by FiberHome to form a gigabit GPON system. It is mainly applied in scenarios such as outdoor DSL access and residential/building access.

Features and Benefits

- Uplink: 1 GPON
- Downlink: 8 VDSL2
- Save: Waterproof and dustproof, Lightning protection, IP55 standard High
- QoS: Ensure delay & packet loss requirements using hierarchy QoS
- Plug and play: Offline provision, support remote configuration, upgrading and diagnosis
- Flexible: Suitable for outdoor application, support pole and wall installation

Scenarios

AN5172-8GR is mainly applied in the FTTC access scenarios. It obtains the feed from the user side PSE, and provides conventional data transmission services for the users. The AN5172-8GR is characterized by its adaptability to multiple outdoor installation scenarios. It can serve as the network access equipment in a field or at public locations (e.g. residential communities and buildings).



Key features

Feature	Specification
PON features	Complied with ITU G.984 series of standards
Broadband features	<ul style="list-style-type: none"> • VLAN number: 4K, QinQ, VLAN 1:1 and N: 1 translation • Support dual management model based on DBA technology and priority • All ports support L2 line rate forwarding • Supports eight priority queues at most. Supports the SP, WRR, and SP+WRR scheduling modes • ACL filtering
Multicast features	<ul style="list-style-type: none"> • IGMP v2 • IGMP Snooping • Multicast program number: 1024
Security features	<ul style="list-style-type: none"> • PPPoE+ and DHCP Option82 • AES-128, Triple Churning • MAC/IP filter-binding function • Looping detection
Maintenance features	<ul style="list-style-type: none"> • Support port state query • Support remote upgrading and remote monitoring
Outdoor case size	95mm×330mm×400mm (height×width×depth)
Equipment size	43.5mm×250mm×200mm (height×width×depth)
Weight	<ul style="list-style-type: none"> • AN5172-8GR: 1.5kg • Outdoor case (empty): 4.6kg
Uplink interface	A GPON interface compliant with the ITU-T G.984 standard is provided
User interface	<ul style="list-style-type: none"> • An eight-channel DB25-type DSL interface is provided, which is adaptive to PTM-TC and ATM-TC • Supports the DSL Vectoring function • Supports the RPF (Reverse Power Feeding) function as specified in IEC 60950-1 Standard
Power supply mode	RPF (Reverse Power Feeding); 60V
Power Consumption	<20W
Working temperature	-40 °C ~ 55 °C
Storage temperature	-55 °C to 125 °C
Working humidity	10% to 90% (no condensation)