SG-ONU901-1G
Industrial 4-Port EPON ONU with PoE

DESCRIPTION

SG-ONU901-1G ONU is a device with 1 uplink GEPON port and 4 10/100M RJ45 ports. SG-ONU901-1G support POE (PSE) function, 4 FE ports Compatible with IEEE802.3af15.4W and IEEE802.3at 30W POE standards. SG-ONU901-1G ONU is Industrial type POE product, itcan auto discovery the power receiving devices which support IEEE802.3af/at standard andsupply power to it.To the connected devices which not support PoE, it will auto stop supplying power. SG-ONU901-1G supports to work with IP camera, IP phone, wireless AP and other net work devices, and supply power to these devices. It is mainly applied to security surveillance, smartcity,tunnel monitoring, coal mine network etc.

FEATURES

> Apply to IEEE802.3/802.3ah
> High-temperature resistance,anti-attack of thundering, anti-interference ability
> Under strong electromagnetic interference
> Support auto discovery and auto register (real-time operation)
> Support DBA and multi types SLA
> Support IEEE802.1D RSTP
> Support IGMP Snooping V2 multi-broadcast function
> Support EMI and ESD identification

> Support VLAN
> Support user end auto time synchronization based at SNTP
> Support powerful OAM and remote management
> Support port speed limit, loop detection and port VLAN
> Support state detection and fault location Support power failure alarm
> Each PoE port supports to auto discovery the standard power receiving devices
> Support IEEE802.3af 15.4W and IEEE802.3at 30W PoE standards

SPECIFICATIONS

> Small and mid sized and big ISP's
> Regional level carriers who want to organize fast development of FTTH access
> Hotels and resorts who want to establish triple play over a fiber
> Local Area Networks
> CCTV IP camera surveillance

Parameter	Specifications
Wavelength	1310（TX）/1490（RX）
Optical power	-1~+4dBm
Receiving sensitivity	-25dBm
Transmission distance	20 km
Cache space	1.25MB
MTBF	100,000 hours
PON connector	SC/PC (WDM)
EPON trait	Support IEEE802.3ah; Support DBA Support ONU auto-searching and automatic registration

	(real-time operation)
Standard and Protocol	Support IEEE802.3, IEEE802.3u, IGMP Snooping V2 Support IEEE802.1q WLAN IEEE802.1p QOS
POE	Supplying power port: 4 ports Standard: IEEE802.3af 15.4W, IEEE802.3at 30W Working mode: auto discover and power/dis-power receiving power device
Network management	Cooperating with center OLT, implement management configuration and software upgrade to ONU
Power	DC48V (external)
Power consumption	4W, Max POE supplying power 120W
Operating temperature	-20~70℃
Storage temperature	-40~85℃
Humidity	5%~90% non-condensing
Dimension	26mm(H)×109mm(W)×152mm(D) (external)

ORDERING INFORMATION

Item	
SG-ONU901-1G-AF	4-Port PoE ONU, 1 uplink GEPON port and 4 10/100M RJ45 ports, support POE (PSE) function, 4 FE ports Compatible with IEEE802.3af
SG-ONU901-1G-AT	4-Port PoE ONU, 1 uplink GEPON port and 4 10/100M RJ45 ports, support POE (PSE) function, 4 FE ports Compatible with IEEE802.3at