Data Sheet HT-GN01GS-GPON

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HT-GN01GS-GPON – HT GPON ONT Good Compatibility with Huawei, ZTE and Fiber home OLT

Product Appearance:

Product Description

Overview

As a Single Family Unit HT-GN01GS is designed for GPON ONU device with plastic shell. HT-GN01GS GPON ONT supports 1000M access to the user side. It is a low cost and high speed ONU access device installing in the indoor and corridor with the deployment of FTTH, FTTO, FTTB.

HT-GN01GS transmits data, voice and digital video by flexible PON network structure. It provides uplink speed rate of 1.25Gb/s, downlink speed rate of 2.5 Gb/s to share high speed bandwidth for users.

Dimensions
120mm x90mm x33mm (W x D x H)
Power Supply
+12V (feed via external AC/DC adapter)2-PIN power adaptor input Dying Gasp support Power switch Power Consumption: less than 6W
Working Environment
Temperature: 0ºC ~ 50ºCHumidity: 5% ~ 95% relative humidity
Safety & EMI
CE certificate
Installation
Desktop mounting

GPON Interface

Compliant with ITU-T G.984 GPON standards SFF type laser, SC/APC connector1.244 Gbps Burst Mode Upstream Transmitter 2.488 Gbps Downstream Receiver Compliant with ITU-T G.984.2 Amd1, Class B+ 0.5dBm ~+5dBm launch power, -27dBm sensitivity, and -8dBm overload Wavelengths: US 1310nm, DS 1490nmLaser compliant with FCC 47 CFR Part 15, Class B, and FDA 21 CFR 1040.10 and 1040.11, Class I, ONT support Class C or Class C+ optics as an option Support G.984.5 Blocking Filter as an option Multiple T-CONTs per device Multiple GEM Ports per device Flexible mapping between GEM Ports and T-CONT Activation with automatic discovered SN and password in conformance with ITU-T G.984.3AES-128 Decryption with key generation and switching FEC (Forward Error Correction) in both directions DBA reporting by piggyback reports in the DBR u (mode 0 and mode 1)802.1p mapper service profile on U/S Mapping of GEM Ports into a T-CONT with priority queues based scheduling Support Multicast GEM port and incidental broadcast

GEM-Port-Ethernet-Interface
10/100/1000 Base-T interface with RJ-45 connectors Ethernet port auto negotiation or manual configuration MDI/MDIX automatically sense Hardware priority queues on the downstream direction in support of CoS802.1D bridging VLAN tagging/debagging per Ethernet port VLAN stacking (Q-in-Q) and VLAN Translation IP ToS /DSCP to 802.1p mapping Class of Service based on UNI, VLAN-ID, 802.1p bit, and combination Marking/remarking of 802.1pIGMP v2/v3 snooping and-IGMP-snooping-with-proxy-report-Broadcast/Multicast-rate-limiting-LED-Power-ALARM-Connection-Ethernet-OAM

Standard compliant OMCI (the embedded operations channel) interface as defined by ITU-T G.984.4 and G.983.2Alarming and AVC report, performance monitoring remotely software image download over OMCI, as well as activation and rebooting Hold two software sets with software image integrity checking and automatic rollback

Solution Diagram: