

GPON Solution >> ONT >> C604GR

GPON ONT 4-Ports GE + RF Port



Overview

C604GR은 1 RF 비디오 포트 및 4 개의 기가비트 이더넷 (UTP, RJ45) 포트 구성된 GPON 광 네트워크 터미널 RF타입 입니다. 개별적인 높은 성능을 가입자에게 제공하며, 비디오 (IPTV), 음성, 고속 인터넷 및 CATV 아날로그 비디오 서비스를 포함한 다양한 서비스를 제공합니다. TPS (Triple Play Server)와 디지털화 RF 신호를 제공하는 광섬유 케이블을 통해 GPON OLT와 RN(Remote Node)에 연결되어 있습니다.

C604GR은 기본적으로 VLAN 전달, VLAN의 트렁킹 및 자신의 요구 사항에 따라 네트워크를 구성하는 VLAN Tagging/detagging의 운영자 기능을 제공합니다. 게다가, 표준을 준수 OMCI에 따라 OAM 기능은 더 편리하고 효과적인 네트워크 작업을 용이하게 합니다.

Features

- ITU-T G.984 GPON compliant
- 4 Ethernet LAN ports supported 10/100/1000Base-T ports
- RF video port(Coaxial F-Connector) for CATV
- OMCI
- QoS, CoS
- Dying Gasp support
- -10°C~60°C Operating Temperature
- 5% ~ 95% Humidity(Non-Condensing)

Specification

Item	Description
SYSTEM HW ARCHITECTURE	<ul style="list-style-type: none"> • 4 Port 10/100/1000 Base-T Ethernet data interfaces • Ethernet port auto negotiation or manual configuration • MDI/MDIX automatic sensing • One coaxial interface (54Mhz-1GHz Frequency Range) • AC Adapter input 100 ~ 240 volts, 50/60 Hz • Power Input 12V, 1.5A (feed via external AC/DC adapter) • 180mm(W) x 135mm(D) x 40mm(H) SFU-Type Dimension • -10°C~60°C (32°F~140 °F) Operating Temperature • Dying Gasp support
NETWORK FEATURES	<ul style="list-style-type: none"> • 256 MAC addresses and 16 VLAN groups • VLAN translation, VLAN trunking • Tagged / untagged VLAN per Ethernet port • IGMP v2/v3 snooping

<p>PON FEATURES</p>	<ul style="list-style-type: none"> • ITU-T G.984 GPON compliant (984.1/.2/.3/.4) • Single fiber, integrated triplexer transceiver • Compliant to FSAN G.984.2 specifications • Data/Video FTTx ONT/ONU applications • 1310nm Tx, 1490nm Rx, 1555nm video Rx • 1244Mbps Tx / 2488Mbps Rx asymmetric data rate • Received Optical Power Min: -28dBm ~ -8dBm • Burst mode upstream transmission • Extinction Ratio: Min 10dB • Average Optical Output Power: Min 0.5dBm ~ 5dBm • 870MHz video bandwidth • 20km reach • GR-468-CORE compliant SC/APC connector • Multiple T-CONTs, Multiple Port-IDs • NSR/SR DBA • Upstream and Downstream FEC • AES-128 decryption • 512 Port-Ids • 8 Transmission Container • Maximum 2.488 Gbps Downlink/1.244 Gbps Uplink
<p>Video Overlay Specification</p>	<ul style="list-style-type: none"> • Frequency Range: Min 54MHz – Max 870MHz • Receiver Wavelength: Min 1540nm – Max 1560nm • Received Average Optical Power: Min -8dBm – Max 2dBm • RF Output Level : Min 18dBmV/ch • RF Output Impedance : 75 Ohm
<p>QoS / Security FEATURES</p>	<ul style="list-style-type: none"> • IP ToS/DSCP to 802.1p mapping • CoS based on VLAN-ID, 802.1p bit, ToS/DSCP • Marking/remarking of 802.1p • QoS Support with 4-traffic classed based on arrival port, IEEE802.1p, Ipv4 TOS • Mac Address Limit for Mac Spoofing Attack • Static Mac Address
<p>OAM</p>	<ul style="list-style-type: none"> • Standards-compliant OMCI as defined in ITU-T G.984.4 and G.983.2 • Management Information Base (MIB) manipulation over OMCI by Create, Delete, Set, Get and Get Next commands • Provisioning for all services including Ethernet, IPTV, etc. • Alarming and AVC report, performance monitoring • Remote image download over OMCI, as well as activation and rebooting • Holds two F/W banks for image integrity and rollback