



DATA SHEET **IPCOR200**

GPON NETWORK

FTTH GPON ONT Gateway **IPCOR200 Series**



FEATURES

- ITU-T GPON (FSAN)
- 2.5 GPON WAN
- 4xGE Data Port
- 2xVoIP POTS
- Up to 64 ONUs per OLT
- Optional Wi-Fi, USB
- Flexible Auto Provision Schemes
- Secure Network to Prevent Attacks
- Web Interface and SNMP Management

Overview

The IPCOR200 ONT is a series of ITU-T GPON compliant high performance GPON optical residential gateway. It offers MSOs and Services Providers with advanced triple play (high speed internet, VOIP, IPTV or traditional CATV and Wi-Fi) services in Fibre to The Home or Business (FTTH & FTTB) networks.

The IPCOR200 series ONUs are designed to operate in a shared PON fiber architecture and supports with up to 64 homes under one PON OLT port. It includes basic 4 GbE ports with many selectable options to offer CATV RF, VoIP or WIFI services.

The IPCOR200 series is easy to install, activate, and maintain with OMCI and TR-069. It provides high quality and robust services to allow operators to expand their existing networks and services quickly. Combined with C-COR Standard based GPON OLT platform, the IPCOR200 can provide ultimate end-to-end FTTX solution in offering advanced Video, Voice, and Data services.



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Issued January 2016.

Due to ongoing product development,
technical specifications are subject to
change without notice

Key Features

- G-PON ONT Functions
 - ITU-T G.984 compliant
 - Wavelength: Up(1310nm)/Down(1490nm)
 - Splitting Ratio: Max 1:128
 - System Range: Max 20Km
 - Security, Encryption
 - Ranging, Flexible DBA
 - Reach up to 20Km
 - L2 Based QoS processor Embedded
 - IEEE802.3ah MPCP
 - IEEE 802.3x Flow control
 - IEEE 802.3p(128KB Queuing with 8 classes)
 - IEEE 802.3q(VLAN)
 - PPPoE
 - Multicasting IGMP V1/2/3
 - VoIP : SIP, codec G.711, G.726, G.729 compliant
 - Wi-Fi : IEEE 802.11 b/g/n
- RGW Functions & Software
 - Layer 2 Switching
 - Hardware-switched NAT for IP protocol
 - IEEE 802.3x Flow Control
 - IEEE 802.1q Tagged VLAN
 - IEEE 802.1p QoS
 - IGMP v1/v2/v3 Snooping & Proxy
 - IGMP v2 Fast Leave
 - DHCP Server/Proxy /Relay/Option 60,77,43
 - Port Redirection & Port Mirroring
 - Multicast/Mac Control
 - Scheduling with SPQ, WFQ, SPQ+WFQ
 - Mac/IP Filtering : Ethernet Type, IP/MAC/Port,
Protocol, VLAN ID
 - ALG(Application Level Gateway)
 - . FTP, TFTP, SIP, H.323, IRC, PPTP, L2TP, IPsec
 - . Battle Net
 - DMZ on LAN port
 - Broadcast/Multicast Storm Control

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Port & Flow Based Rate Limiting
SNMP v1, v2
Web UI, CLI, TR069
DNS Client
RFC 854 Telnet Server
Remote Backup & Upgrade
Upgrade Fail Recovery

- **RGW Functions & Software 2**

Packet Classification for QoS: 2-level QoS based on port

- . Layer 2: Src/Dest Mac, VLAN ID, COS
- . Layer 3: Src/Dest IP, DSCP, TOS, Precedence, Protocol
- . Firewall rule, policy-based QoS

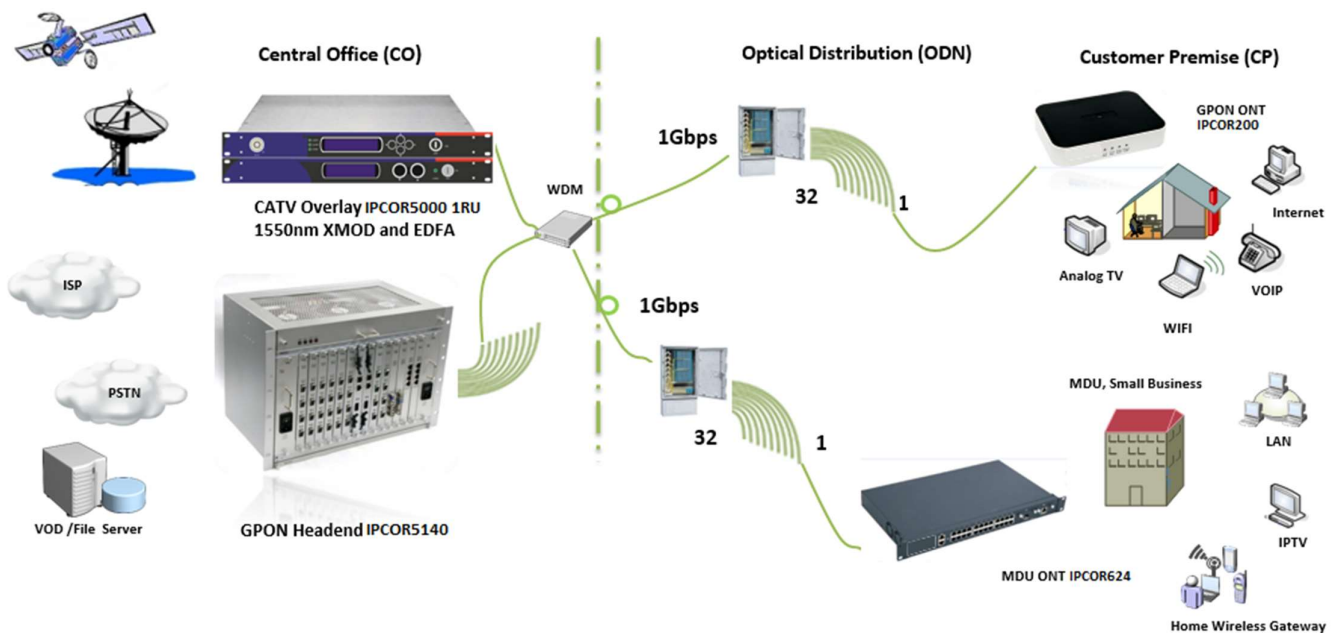
IEEE802.11b/g/n Based Wireless LAN

2T2R/1T2R, 2/1 Spatial Stream (300/150Mbps PHY Rate)

Wireless Security, Including

WPA/WPA2.0/WEP/CCx4/WMM/802.1x

Application Diagram





Specifications

IPCOR200 FTTx GPON Residential Gateway

ONT	IPCOR204	IPCOR224	IPCOR224W
Port	1*GPON uplink port 4*10/100/1000BASE-TX	1*GPON uplink port 4*10/100/1000BASE-TX 2*VOIP	1*GPON uplink port 4*10/100/1000BASE-TX 2*VOIP 1*WLAN
Connector Type	SC/APC for single fibre with CATV, SC/PC for single fibre w/o CATV		
Wavelength	1490nm/1310nm		
Features	Layer 2 bridging, VLAN, NAT/NAPT, IGMP Multicast, QoS, PPPoE, IPv6, Web Mgmt		
Dimension (D×W×H)	110mm×160mm×27mm		
Weight	<1.5kg		
Voltage	Power adaptor (100~220AVC input-12VDC/2A output)		
Max power consumption	<12W	<15W	<17W
Working temp	0°C~50°C		
VOIP Specification	SIP V2 (G.711, G.729, G.723.1)		



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Ordering Information

IPCOR200 Series ONT	Description
IPCOR204-GE-00-0-S-2	IPCOR200 GPON CPE 1x GE (1.25G US, 2.5G DS), 4xGE, Single Fiber, SC/PC, PS order separately
IPCOR204-GE-00-N-S-2	IPCOR200 GPON CPE 1x GE (1.25G US, 2.5G DS), 4xGE, WIFI, Single Fiber, SC/PC, PS order separately
IPCOR224-GE-00-N-S-2	IPCOR200 GPON CPE 1x GE (1.25G US, 2.5G DS), 4xGE, 2xVOIP, WIFI, Single Fiber, SC/PC, PS order separately
IPCOR204-GE-TV-0-S-1	IPCOR200 GPON CPE 1x GE (1.25G US, 2.5G DS), 4xGE, CATV RF, Single Fiber, SC/PC, WIFI, PS order separately
IPCOR20-PS-XX	IPCOR200 GPON CPE Power Adapter with Power Cord

Please contact your local sales representative for Product Availability in your area.