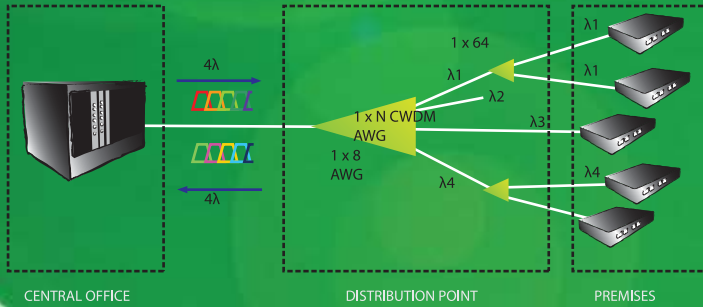


## GX-4000 CW Series

GX-4000 NGN series is the FTTX OLT series of product compliant to IEEE 802.3ah. GX-4000 CW series is the head end of Point to Multipoint access network. With High port density in 1U form factor, advanced switching features and carrier grade service level agreements, GX-4000 CW series offers an optimal solution for telecom carrier to provide triple play services to residential and enterprise customers. GX-4000 CW series supports up to 4 links to customer premises which each link capable of offering up to 1 Gbps symmetrical bandwidth to 64 subscribers.



## Features

- Gigabit Ethernet Optical Line Terminal (OLT) Transceiver for
- IEEE 802.3ah-2004 PX-20+
- Small Form Factor Pluggable SC Transceiver
- 1.25 Gbps / CWDM Continuous-Mode Transmitter
- 1.25 Gbps / CWDM Burst-Mode Receiver with 2R Output
- Resetless BM Receiver Design
- BM RX with Transceiver Settling Time less than 400 ns
- 0 to 70oC Case Operating Temperature
- Single +3.3 V Power Supply
- Transmitter: AC Coupling Input
- Receiver: DC Coupling Output
- Class 1 Laser International Safety Standard IEC 60825 Compliant

## Key Features

- Dynamic bandwidth Allocation (DBA) and quality of service allow the subscribers to share 1 Gbps and get more bandwidth than their agreements
- Remote managements of Central Office Equipment (OLT) (provisioning, diagnostics, firmware up gradation)
- Advanced L2/L3 switching and routing features

### Product features

#### Optical Link

- IEEE 802.3ah compliance
- Hardware based configurable Dynamic bandwidth allocation (DBA)
- IEEE802.3ah OAM
- 256 flow based Service level agreement (SLA)
- IP multicast shaping
- Local and remote diagnostics
- L2/L3/L4 filtering and classification
- AES128 encryption
- Optical fiber type: Single mode
- Wavelength : 1490nm for transmit and 1310nm for receive
- Output power: +2 dBm to +7 dBm
- Split ratio of 1:64

#### Security

- Hardware based network security without impacting network performance
- High performance IPSec engine that supports DES, 3DES, HMAC-SHA-1
- DoS Attack Prevention Engine
- Per port Blocking
- IEEE 802.1x support
- MAC address blocking

#### System management

- SNMP protocol, v2c
- IEEE 802.3ah OAM
- Support for In band management through 10G Ethernet port
- Serial console
- Error logs in EPROM based memory
- Upload and download configuration settings
- Remote firmware upgrade

#### Power

- 48V Power feed or 230V AC Power feed
- Power consumption of 55W(max)

#### Operating temperature

- 0 to 70 deg C

#### Weight

- 5Kg

#### Dimension

- 17" wide, 14" deep, 1.7" height

#### Installation

- 19" Rack mountable

GX-4000CW series CWDM OLT Transceiver

| Class | TX   |              |           |             | RX    |              |       |             | Temp (°C) | Package | Clasp Color Code |
|-------|------|--------------|-----------|-------------|-------|--------------|-------|-------------|-----------|---------|------------------|
|       | Type | Speed (Gb/s) | λ(nm)     | Power (dBm) | Type  | Speed (Gb/s) | λ(nm) | Sens. (dBm) |           |         |                  |
| PX20+ | CNT  | 1.25         | 1450 CWDM | 6/3         | BM.2R | 1.25         | 1310  | -8/-34      | 0/70      | SC SFP  | Gray             |
| PX20+ | CNT  | 1.25         | 1470 CWDM | 6/3         | BM.2R | 1.25         | 1330  | -8/-34      | 0/70      | SC SFP  | Violet           |
| PX20+ | CNT  | 1.25         | 1490 CWDM | 6/3         | BM.2R | 1.25         | 1310  | -8/-34      | 0/70      | SC SFP  | Blue             |
| PX20+ | CNT  | 1.25         | 1510 CWDM | 6/3         | BM.2R | 1.25         | 1330  | -8/-34      | 0/70      | SC SFP  | Green            |

GX-4000CW series CWDM ONU Transceiver

| Class | TX   |              |           |             | RX     |              |       |             | Temp (°C) | Package | Clasp Color Code |
|-------|------|--------------|-----------|-------------|--------|--------------|-------|-------------|-----------|---------|------------------|
|       | Type | Speed (Gb/s) | λ(nm)     | Power (dBm) | Type   | Speed (Gb/s) | λ(nm) | Sens. (dBm) |           |         |                  |
| PX20+ | CNT  | 1.25         | 1450 CWDM | 4/-1        | CNT.2R | 1.25         | 1450  | -3/-28      | 0/70      | SC SFP  | Light Purple     |
| PX20+ | CNT  | 1.25         | 1470 CWDM | 4/-1        | CNT.2R | 1.25         | 1470  | -3/-28      | 0/70      | SC SFP  | Sky Blue         |
| PX20+ | CNT  | 1.25         | 1490 CWDM | 4/-1        | CNT.2R | 1.25         | 1490  | -3/-28      | 0/70      | SC SFP  | Yellow Green     |
| PX20+ | CNT  | 1.25         | 1510 CWDM | 4/-1        | CNT.2R | 1.25         | 1510  | -3/-28      | 0/70      | SC SFP  | Yellow Ocher     |

## Ordering Information

| Model       | Network Interface |                |               |                | Casing Type | NGN      |
|-------------|-------------------|----------------|---------------|----------------|-------------|----------|
|             | PON port          | Uplink 10G XFP | Uplink 1G SFP | Uplink 1G RJ45 |             |          |
| GX-4004P CW | 4                 | 0              | 0             | 4              | Pizza       | CWDM PON |
| GX-4100P CW | 4                 | 1              | 0             | 0              | Pizza       | CWDM PON |
| GX-4110P CW | 4                 | 1              | 1             | 0              | Pizza       | CWDM PON |



headquarters:  
**ofisgate sdn bhd**, 2-15 jalan 13/155b  
 taman esplanad, bukit jalil, 57000 kuala lumpur, malaysia.  
 p: +63 03 8994 0778 f: +63 03 8994 0779

regional office:  
**ofisgate (s) pte ltd**, 205b thomson road,  
 goldhill centre, singapore 307639  
 p: +65 6296 5563 f: +65 6294 7339  
[www.ofisgate.com](http://www.ofisgate.com)



**ofisgate**™  
 CHANGING THE CLIMATE