

**OPTICAL LINE  
TERMINAL**



**BY FIBER SYSTEM**

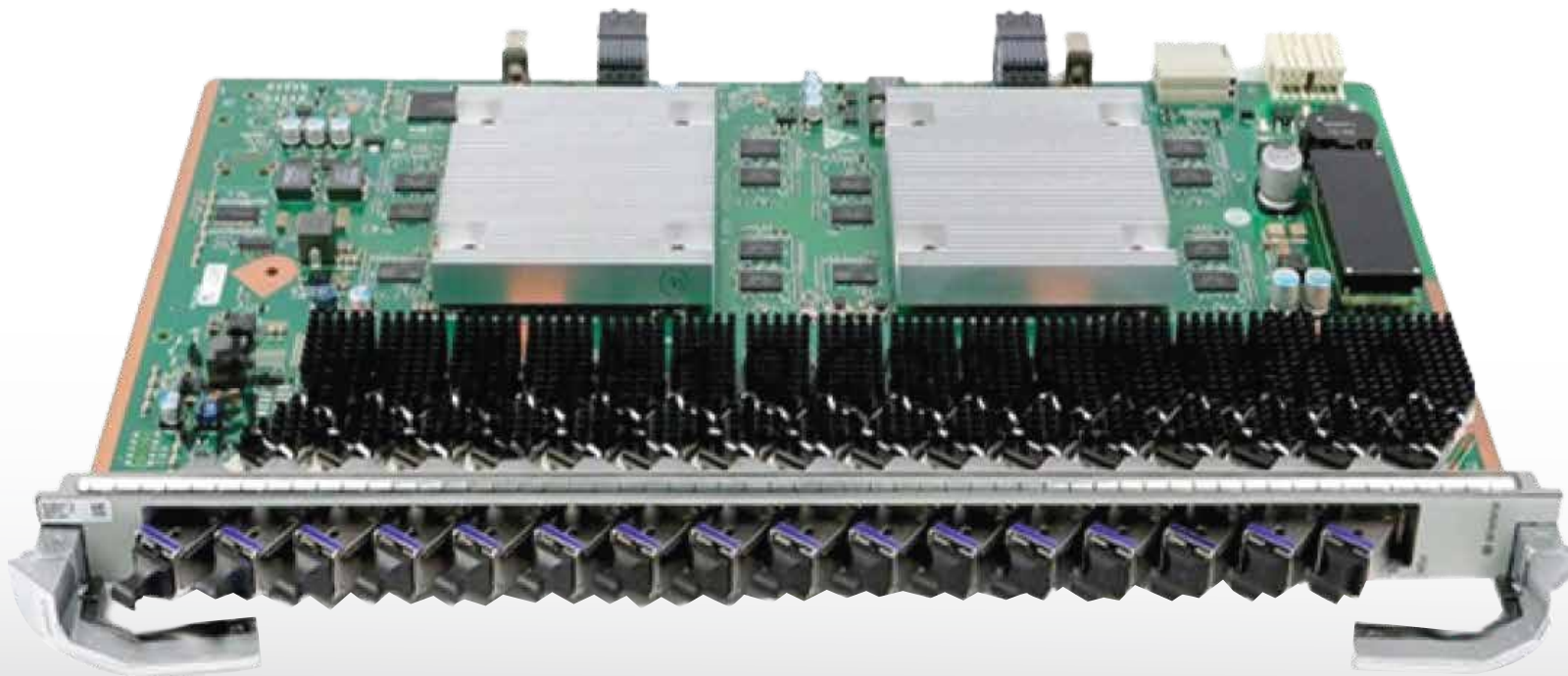
**PRODUCT MANUAL**

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Service Card Huawei CGHF

# HUAWEI CGHF

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# Product Overview

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Huawei CGHF service board is a 16-port XG-PON and GPON combination OLT interface board for MA5800 series OLT equipment.

It works in conjunction with the optical network drive. (HE-HER-IT) to provide XG-PON and GPON access services.

# Main Characteristics

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## Features

- GPON Channel: Tx: 2.488 Gbit / s Rx: 1.244 Gbit / s
- XG-PON Channel: Tx: 9.95Gbit / s, Rx: 2.49Gbit / s
- This board applies to MA5800 X2, X7, X15, X17 of OLT System
- Diferencia máxima de distancia entre dos ONU en el mismo puerto PON 40 km



## Applications

- 16 XG-PON & GPON Ports
- Encapsulation type SFP +
- Forwarding capacity 200 Gbit / s
- Bidirectional single fiber optical module

# Technical Specifications

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Huawei brand

CGHF model

16 XG-PON GPON Port & GPON Ports

Write Bidirectional Single Fiber Optical Module

Operating wavelength GPON channel:

Tx: 1490 New Mexico

Rx: 1310 New Mexico

XG-PON channel:

Tx: 1577 New Mexico

Rx: 1270 New Mexico

Encapsulation type SFP +

Port rate GPON channel:

Tx: 2.488 Gbit / s

Rx: 1.244 Gbit / s

XG-PON channel:

Tx: 9.953 Gbit / s

Rx: 2.488 Gbit / s

Minimum output optical power GPON channel: 3 dBm

XG-PON channel: 4 dBm

Maximum Optical Output Power GPON Channel: 7 dBm

XG-PON channel: 8 dBm

Maximum receiver sensitivity GPON channel: -32 dBm

XG-PON channel: -29.5 dBm

# Technical Specifications

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Optical Connector Type SOUTH CAROLINA

Fiber optic type Single mode

GPON Channel Optical Power Overload: -12 dBm

XG-PON channel: -9 dBm

Extinction ratio 8.2 dB

Forwarding capacity 200 Gbit / s

Rate mode Asymmetric rate

T-tales for PON GPON port: 1024

XG-PON: 2048

Service flows per plate PON 16352

Maximum frame size 2052 bytes

9216 bytes (jumbo frame enabled)

Maximum number of MAC addresses 131,072

Maximum distance difference between 40 km

two ONUs on the same PON port

Dimensions (Width x Depth x Height) 23.30mm \* 257.90mm \* 399.20mm

Static Power Consumption: 48W

Maximum: 106 W

Operating temperature -40 ° C to + 65 ° C



# CONTACTOS



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