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## Overview

Huawei SmartAX MA5800 H902CGHD 8-port XG-PON and GPON Combo OLT interface board

## Quick Specification

Model	H902CGHD
Port	8
Forwarding capability	100 Gbit/s
Rate mode	Asymmetric rate
T-CONTs per PON port	GPON:1024 XG-PON:2048
Service flow per PON board	16368
Maximum frame size	2052 bytes 9216 bytes(jumbo frame enabled)
Maximum number of MAC addresses	131072

## Product Details:

### The Front Panel:



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## Specific Data Sheet:

Model	H902CGHD
Service ports	
Port	8
Forwarding capability	100 Gbit/s
Rate mode	Asymmetric rate
T-CONTs per PON port	GPON:1024 XG-PON:2048
Service flow per PON board	16368
Maximum frame size	2052 bytes 9216 bytes(jumbo frame enabled)
Maximum number of MAC addresses	131072
Maximum distance difference between two ONUS under the same pon port	40km
FEC	Bidirection
CAR group	Supported
HQoS	Supported
Variable-length OMCI	Supported
ONU-based shaping or queue-based shaping	Supported
Type B protection(dual-homing)	Supported
Type B protection(single-homing)	Supported
Type C protection(dual-homing)	Supported(applicable to GPON channels)
Type C protection(single-homing)	Supported(applicable to GPON channels)
1588v2	Supported
Rogue ONT detection and isolation	Supported
Automatic shutdown at high temperature	Supported
Energy saving for service boards	Supported
D-CCAP	Not supported
GPON SFP Module Specification	
Type	B+ Module: One-fiber bidirectional optical module, class B+ C+ Module: One-fiber bidirectional optical module, class C+
Operating Wavelength	B+/C+ Module: GPON channel: Tx: 1490 nm Rx: 1310 nm XG-PON channel:





	<p>Tx: 1577 nm Rx: 1270 nm</p>
Encapsulation Type	SFP+
Port Rate	<p>B+/C+ Module: 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</p>
Minimum Output Optical Power	<p>B+ Module: GPON channel: 1.5 dBm XG-PON channel: 1 dBm C+ Module: GPON channel: 3 dBm XG-PON channel: 5 dBm</p>
Maximum Output Optical Power	<p>B+ Module: GPON channel: 5 dBm XG-PON channel: 6 dBm C+ Module: GPON channel: 7 dBm XG-PON channel: 8 dBm</p>
Maximum Receiver Sensitivity	<p>B+ Module: GPON channel: -28 dBm XG-PON channel: -26.5 dBm C+ Module: GPON channel: -32 dBm XG-PON channel: -30.5 dBm</p>
Optical Connector Type	SC
Optical Fiber Type	Single-mode
Overload Optical Power	<p>B+ Module: GPON channel: -8 dBm XG-PON channel: -7 dBm C+ Module: GPON channel: -12 dBm XG-PON channel: -10 dBm</p>
Extinction Ratio	8.2 dB
Dimensions (W x D x H)	23.3 mm x 257.90 mm x 399.20 mm
Power Consumption	<p>Static: 26 W Maximum: 54 W</p>
Operating temperature	-40°C to +55°C



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