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Overview

Huawei SmartAX MA5800 H901CGID 8-port XG-PON and GPON Combo OLT interface board

Quick Specification

Model	H901CGID
Type	One-fiber bidirectional optical module, N2a
Operating Wavelength	GPON channel: Tx: 1490 nm Rx: 1310 nm XG-PON channel: Tx: 1577 nm Rx: 1270 nm
Encapsulation Type	XFP
Service flows 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	40 km

Product Details:

The Front Panel:





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Do you have any question about H901CGID?

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Specific Data Sheet:

Model	H901CGID
Service ports	
GPON Port	8 XG-PON & GPON ports
GPON SFP+ Module Specification	
Type	One-fiber bidirectional optical module, N2a
Operating Wavelength	GPON channel: Tx: 1490 nm Rx: 1310 nm XG-PON channel: Tx: 1577 nm Rx: 1270 nm
Encapsulation Type	XFP
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 Output Optical Power	GPON channel: 7 dBm XG-PON channel: 8 dBm
Maximum Receiver Sensitivity	GPON channel: -32 dBm XG-PON channel: -29.5 dBm
Optical Connector Type	SC
Optical Fiber Type	Single-mode
Overload Optical Power	GPON channel: -12 dBm XG-PON channel: -9 dBm
Extinction Ratio	8.2 dB
Function	
Forwarding capability	80 Gbit/s
Rate mode	Asymmetric rate
T-CONTs per PON port	GPON: 1024





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	XG-PON: 2048
Service flows 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	40 km
Device Specifications	
Dimensions (W x D x H)	23.30 mm * 257.90 mm * 399.20 mm
Power Consumption and Maximum Frame Size	
Power Consumption	Static: 48 W Maximum: 78 W
Operating temperature	-40°C to +65°C

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