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Overview

Huawei SmartAX MA5800 H901CGHF 16-port XG-PON and GPON Combo OLT interface board

Quick Specification

Model	H901CGHF
GPON Port	16 XG-PON & GPON ports
Forwarding Capacity	200 Gbit/s
Rate mode	Asymmetric rate
T-CONTs per PON port	GPON: 1024 XG-PON: 2048
Service flows per PON board	16352
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	H901CGHF
Service ports	
GPON Port	16 XG-PON & GPON ports
Forwarding Capacity	200 Gbit/s
Rate mode	Asymmetric rate
T-CONTs per PON port	GPON: 1024 XG-PON: 2048
Service flows per PON board	16352
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
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	One-fiber bi-directional optical module C+ One-fiber bi-directional optical module N2a
Operating Wavelength	GPON channel: Tx: 1490 nm Rx: 1310 nm XG-PON channel: Tx: 1577 nm





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	Rx: 1270 nm
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	N2a: GPON channel: 3 dBm XG-PON channel: 4 dBm C+: GPON channel: 3 dBm XG-PON channel: 5 dBm
Maximum Output Optical Power	N2a: GPON channel: 7 dBm XG-PON channel: 8 dBm C+: GPON channel: 7 dBm XG-PON channel: 8 dBm
Maximum Receiver Sensitivity	N2a: GPON channel: -32 dBm XG-PON channel: -29.5 dBm C+: GPON channel: -32dBm XG-PON channel: -30.5dBm
Optical Connector Type	SC
Optical Fiber Type	Single-mode
Overload Optical Power	N2a: GPON channel: -12 dBm XG-PON channel: -9 dBm C+: GPON channel: -12 dBm XG-PON channel: -10 dBm
Extinction Ratio	8.2 dB
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: 106 W
Operating temperature	-40°C to +65°C



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