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Overview

Huawei H902XSHD MA5800 series 8-port XGS-PON OLT interface board with XGS-PON N1/N2 optical module

Quick Specification

Model	H902XSHD
Forwarding capability	80 Gbit/s
Rate mode	Asymmetric rate Symmetric rate
T-CONTs per PON port	2048
Service flows 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:



Get more information:

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Specific Data Sheet:

Model	H902XSHD
Port	8
Forwarding capability	80 Gbit/s
Rate mode	Asymmetric rate Symmetric rate
T-CONTs per PON port	2048
Service flows per PON board	16376
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
Variable-length OMCI	Supported
HQoS	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
Type C protection(single-homing)	Supported
1588v2	Supported
Rogue ONT detection and isolation	Supported
Automatic shutdown at high temperature	Supported
Energy saving for service boards	Supported
D-CCAP	Supported
GPON SFP Module Specification	
Type	N1 Module: One-fiber bidirectional optical module, N1 N2 Module: One-fiber bidirectional optical module, N2
Operating Wavelength	N1/N2 Module: Tx: 1577 nm Rx: 1270 nm
Encapsulation Type	SFP+
Port Rate	N1/N2 Module: Tx: 9.953 Gbit/s

H902XSHD Datasheet

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	Rx: 9.953/2.488 Gbit/s
Minimum Output Optical Power	N1 Module: 2 dBm N2 Module: 4 dBm
Maximum Output Optical Power	N1 Module: 5 dBm N2 Module: 7 dBm
Maximum Receiver Sensitivity	N1 Module: XG-PON channel: -27.5 dBm XGS-PON channel: -26 dBm N2 Module: XG-PON channel: -29.5 dBm XGS-PON channel: -28 dBm
Optical Connector Type	SC
Optical Fiber Type	Single-mode
Overload Optical Power	N1 Module: XG-PON channel: -7 dBm XGS-PON channel: -5 dBm N2 Module: XG-PON channel: -9 dBm XGS-PON channel: -7 dBm
Extinction Ratio	8.2 dB
Dimensions (W x D x H)	23.3 mm x 257.90 mm x 399.20 mm
Power Consumption	Static: 26 W Maximum: 48 W
Operating temperature	-40°C to +65°C



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