

# H901GPHF Datasheet

## Overview

Huawei SmartAX MA5800 H901GPHF 16-port GPON OLT interface board

## Specification

H901GPHF Specification	
Part Number	03022SQW
Model	H901GPHF
Product Description	16-port Advanced GPON OLT Interface Board
Product Series	MA5800-X7
Dimensions (H x W x D)	442 mm x 268.7 mm x 263.9 mm
Maximum Number of Ports in a Subrack	112 x GPON/EPON 336 x GE/FE 56 x 10G GPON/10G EPON 56 x 10G GE 224 x E1
Switching Capacity of the System	7 Tbit/s
Maximum Number of MAC Addresses	262,143
Maximum Number of ARP/Routing Entries	64K
Ambient Temperature	-40°C to 65°C Note: The MA5800 can start up at a lowest temperature of -25°C and run at -40°C. The 65°C temperature refers to the highest temperature measured at the air intake vent
Working Voltage Range	-38.4V DC to -72V DC
Layer 2 Features	VLAN + MAC forwarding, SVLAN + CVLAN forwarding, PPPoE+, and DHCP option82
Layer 3 Features	Static route, RIP/RIPng, OSPF/OSPFv3, IS-IS, BGP/BGP4+, ARP, DHCP relay, and VRF
MPLS & PWE3	MPLS LDP, MPLS RSVP-TE, MPLS OAM, MPLS BGP IP VPN, tunnel protection switching, TDM/ETH PWE3, and PW protection switching
IPv6	IPv4/IPv6 dual stack, IPv6 L2 and L3 forwarding, and DHCPv6 relay
Multicast	IGMP v2/v3, IGMP proxy/snooping, MLD v1/v2, MLD Proxy/Snooping, and VLAN-based IPTV multicast
QoS	Traffic classification, priority processing, trTCM-based traffic policing, WRED, traffic shaping, HqoS, PQ/WRR/PQ + WRR, and ACL
System Reliability	GPON type B/type C protection, 10G GPON type B protection, BFD, ERPS (G.8032), MSTP, intra-board and inter-board LAG, In-Service Software Upgrade (ISSU) of the control board, 2 control boards and 2 power boards for redundancy protection, in-service board fault detection and rectification, and service overload control