

Huawei XSHF Board Datasheet	
Port quantity	16
Port rate mode	Supports two modes: Asymmetric Symmetric
Port rate	Upstream: 9.953/2.488 Gbit/s Downstream: 9.953 Gbit/s
Supported ONU rates	XG-PON: 10G/2.5G (downstream rate/upstream rate) XGS-PON: 10G/10G (downstream rate/upstream rate)
Forwarding capability [Gbit/s]	160 Gbit/s
Maximum number of MAC addresses	131072
Maximum distance difference between 2 ONUs under the same PON port (board capability) [km]	40km
T-CONTs per port	2048
Service flows per board	16368
1588v2 Synchronization	Y
9216-byte jumbo frames	Y
CAR group	Y
Bidirectional FEC	Y
Type B protection (single-homing)	Y
Type B protection (dual-homing)	Y
Type C protection (single-homing)	Y
Type C protection (dual-homing)	Y
HQoS	Y
PON ISSU	Y
ONU-based or queue-based shaping	Y
Variable-length OMCI	Y
Rogue ONU detection and isolation	Y
Automatic shutdown at high temperature	Y
Energy conservation for service boards	Y
Dimensions without packaging (H x W x D) [mm]	399.20 mm x 23.30 mm x 257.90 mm
Weight without packaging [kg]	1.21 kg
Static power consumption [W]	48 W
Maximum power consumption [W]	94 W
Operating temperature [°C]	-40°C to +55°C
Maximum Frame Size of Boards (Default) [bytes]	2052 bytes

Maximum Frame Size of Boards (jumbo frame enabled) [bytes]	9216 bytes
Maximum split ratio	1:256