

Huawei CSHD Board Datasheet	
Port quantity	8
Port rate mode	Supports two modes: Asymmetric Symmetric
Port rate	GPON upstream: 1.244 Gbit/s GPON downstream: 2.488 Gbit/s XG-PON upstream: 2.488 Gbit/s XG-PON downstream: 9.953 Gbit/s XGS-PON upstream: 9.953 Gbit/s XGS-PON downstream: 9.953 Gbit/s
Supported ONU rates	GPON: 2.5G/1.25G (downstream rate/upstream rate) XG-PON: 10G/2.5G (downstream rate/upstream rate) XGS-PON: 10G/10G (downstream rate/upstream rate)
Forwarding capability [Gbit/s]	100 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	GPON/auto type ONU: 1024 XG(S)-PON: 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]	0.95 kg
Static power consumption [W]	26 W
Maximum power consumption [W]	50 W
Operating temperature [° C]	-40° C to +65° C
Maximum Frame Size of Boards (Default) [bytes]	2052 bytes
Maximum Frame Size of Boards (jumbo frame enabled) [bytes]	9216 bytes
Maximum split ratio	GPON: 1:128 XG(S)-PON: 1:256