

Huawei CGUF Board Datasheet	
Service ports	
GPON Port	16 XG-PON & GPON ports
GPON SFP+ Module Specification	
Type	One-fiber bi-directional optical module, C+
Operating Wavelength	<p>GPON channel:</p> <p>Tx: 1490 nm</p> <p>Rx: 1310 nm</p> <p>XG-PON channel:</p> <p>Tx: 1577 nm</p> <p>Rx: 1270 nm</p>
Encapsulation Type	SFP+
Port Rate	<p>GPON channel:</p> <p>Tx: 2.488 Gbit/s</p> <p>Rx: 1.244 Gbit/s</p> <p>XG-PON channel:</p> <p>Tx: 9.953 Gbit/s</p> <p>Rx: 2.488 Gbit/s</p>
Minimum Output Optical Power	<p>GPON channel: 3 dBm</p> <p>XG-PON channel: 4 dBm</p>
Maximum Output Optical Power	<p>GPON channel: 7 dBm</p> <p>XG-PON channel: 8 dBm</p>
Maximum Receiver Sensitivity	<p>GPON channel: -32 dBm</p> <p>XG-PON channel: -29.5 dBm</p>
Optical Connector Type	SC
Optical Fiber Type	Single-mode
Overload Optical Power	<p>GPON channel: -12 dBm</p> <p>XG-PON channel: -9 dBm</p>
Extinction Ratio	8.2 dB

Function	
Forwarding capability	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
Maximum number of MAC addresses	131072
Maximum distance difference between two ONUs under the same PON port	40 km
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