

Nokia FGUT-A Board Datasheet	
Service ports	
GPON Port	16 XGS-PON & GPON ports
XGS-PON&GPON Combo PON Class C+ Module	
Type	One-fiber bi-directional optical module
Operating Wavelength	GPON channel: Tx: 1490 nm Rx: 1310 nm XG-PON & XGS-PON channel: Tx: 1577 nm Rx: 1270 nm
Encapsulation Type	SFP+
Port Rate	GPON channel: Tx: 2.488 Gbit/s Rx: 1.244 Gbit/s XGS-PON channel: Tx: 9.953 Gbit/s Rx: 9.953/2.488Gbit/s
Minimum Output Optical Power	GPON channel: 3 dBm XGS-PON channel: 5 dBm
Maximum Output Optical Power	GPON channel: 7 dBm XGS-PON channel: 8 dBm
Maximum Receiver Sensitivity	GPON channel: -32 dBm XG-PON channel: -30.5 dBm XGS-PON channel: -29 dBm
Optical Connector Type	SC
Optical Fiber Type	Single-mode
Overload Optical Power	GPON channel: -12 dBm XG-PON channel: -10 dBm XGS-PON channel: -8 dBm
Extinction Ratio	8.2 dB
Function	
Forwarding capability	200 Gbit/s
Rate mode	Symmetric rate
T-CONTs per PON port	GPON: 1024 XG(S)-PON: 2048
Service flows per PON board	16352
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	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: 98 W
Operating temperature	-40°C to +65°C