

FiberHome GX8A Board Datasheet	
Standard compliance	Conforms to ITU-T G.987 series of standards, with good interoperability.
transmission rate	Uplink: 2.5 Gbit/s Downlink: 10 Gbit/s
Wavelength	Uplink: 1260 nm to 1280 nm Downlink: 1575 nm to 1580 nm
Maximum transmission distance	60 km
Maximum differential fiber distance	40 km
Maximum split ratio	1:256
Detection of optical power	Supports RSSI detection.
Detection of rogue ONUs	Supports automatic detection and location of ONUs that constantly emit light.
Compatibility	Supports various ONUs, such as SBU, SFU, MTU, cassette MDU, and MDU which can accommodate cards.
DBA	Dynamically allocates bandwidth according to subscribers' traffic status.
Reliability	Supports Type B, Type C and Type C dual-homing protections.
Throughput	When the XG-PON system bears Ethernet services only and is fully configured with services (64 ONUs), the uplink throughput is no less than 1.9 Gbit/s, and the downlink throughput is no less than 8.5 Gbit/s.
transmission delay	The uplink average transmission delay (when the traffic is no more than 90% of the system throughput) is less than 1.5 ms (packets of all sizes are counted).
	The downlink average transmission delay (when the traffic is no more than 90% of the system throughput) is less than 1 ms (packets of all sizes are counted).