

## Overview

Fiberhome AN6000 OLT series GM8B 8-port XG-PON and GPON Combo Card

## Product Details:

### The Front Panel:



### GM8B application:

Advantages of XG-PON application:

Smooth evolution: All FiberHome OLTs in current networks support XG-PON service cards; therefore, users need not replace existing OLT equipment to provision the XG-PON service.

High bandwidth: 2.5 Gbit/s in the uplink direction and 10 Gbit/s in the downlink direction.

High split ratio: Provides a split ratio up to 1:256.

Shared ODN: XG-PON ONUs can be connected to the OLT equipment via an existing GPON ODN, based on the external wavelength division multiplexing (WDM) technology.

### GM8B high-lights:

GPON & XG-PON Combo access: GPON and XG-PON ONUs can be connected to the same service card.

Smooth upgrade: XG-PON service cards can replace GPON service cards with little configuration change. Accordingly, services can be



migrated smoothly.

Software and hardware compatibility: Bandwidth can be upgraded without replacing subracks. Various PON service cards can coexist in a subrack.

Clock and time synchronization with high precision: Uses the system time transfer protocol as defined in IEEE 802. 1 as supports synchronous Ethernet (SyncE), IEEE1588 V2, and 1PPS+ToD.

Overall protection: Supports backbone fiber protection (Type B) and all-fiber protection (Type C), with a switching time of no more than 50 ms.

Efficient data transmission: Encapsulates all the data to be transmitted into 125 us frames (fixed length frames) with a new GEM encapsulation structure, which uses fewer transmission overhead bytes and improves the transmission efficiency.

The transmission efficiency can reach 93% when the downlink rate is 10 Gbit/s or the uplink rate is 2.5 Gbit/s.

Get more information:

Do you have any question about the GM8B?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)

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