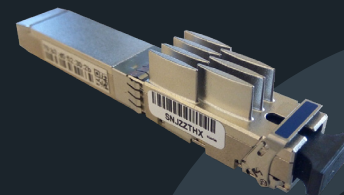


Universal Aggregation and Access over 10G PON Transceiver

10G PON OLT



The Universal Aggregation and Access over 10G PON Transceiver brings more value to the aggregation network edge, enabled by flexible, open deployment within Ciena's Packet Networking portfolio to address key opportunities in next-generation business services, cable MSO access, 4G/5G RAN, and low-cost metro access.

The Small Form-factor Pluggable+ (SFP+) symmetrical 10 Gb/s OLT module works in Ciena's extensive Packet Networking portfolio to address key 10G XGS-PON (X=10, G=Gigabit, and S=Symmetrical) market opportunities related to fiber deep, 4G/5G xHaul, and business services to maximize ROI. The simple pluggable solution reduces edge transport and packet costs, footprint, and power consumption by right-sizing the high-density OLT packet platforms.

Driving the industry toward 10G PON service delivery

Most network operators' environments are very challenging, as they experience surging IP traffic growth in both their wireless and wireline networks. Complicating this enormous growth is that the majority of traffic is IP-based—a trend that has been complicated in recent years by flat to declining revenues and associated margins, but that is expected to continue well into the future.

For the past 15 years, Passive Optical Networks (PONs) have become extremely popular due to surges in IP television (IPTV) and high-speed internet access. However, bandwidth demands, and competition are driving network operators to 10G PON, as 15-year-old asymmetrical Ethernet PON (EPON) and Gigabit PON (GPON) technologies are running out of steam and can't keep up with network growth at least by a factor of 10 in the next decade.

The network edge is where content lives and, to operators, where successful business outcomes are determined. For network operators, improving the ability to offer new service revenue opportunities and improve margins is essential to maintaining existing customers as well as attracting new ones.

Features and Benefits

- Concurrent 10G PON and Active Ethernet services
- Multi-vendor interop
- Compliant with ITU-T G.9807.1 specifications
- Rich OAM for all access/service types
- Multiple over-subscription rates for multiple downstream devices
- Operates at commercial temperature range (0C to +70C)
- Advanced Synchronization including 1588v2 over PON support
- Ciena's Manage, Control and Plan (MCP) multi-layer support for end-to-end network management, control, and planning