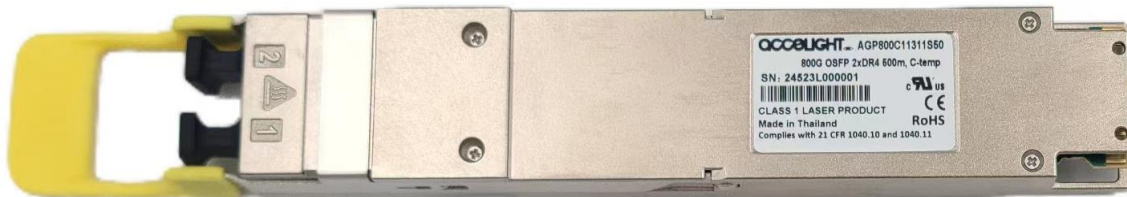




Accelight Technologies

800G OSFP Transceiver

Accelight's OSFP transceiver module is designed for use in 800 Gigabit links over 500m single mode fiber. The module has 8 independent electrical input/output channels operating up to 106.25Gbps per channel. This transceiver consists of two transmitter/receiver units, with each operating on a set of wavelengths on the ITU G.694.2 CWDM at 1310nm. The transmitter path of the module incorporates a bi-directional PAM4 re-timer ASIC integrated with EML laser and 8-channel internal driver. On the receiver path, used 8 photodiodes and two 4-channel TIA arrays, along with the PAM4 re-timer.



Key Features

- OIF CMIS 5.0 or later version
- Up to 106.25Gbps data rate per channel by PAM4 modulation
- 8 duplex channels transmitters and receivers
- Transmitter with silicon photonics
- Dual MPO-12 connector receptacle
- Single +3.3V power supply
- DDM function implemented
- Hot-pluggable OSFP Open TOP form factor
- Maximum link length of 500m on SMF fiber
- Power Consumption:<16W
- Operating temperature range: 0°C ~ +70 °C
- Compliant with ROHS6.0

For more information, please visit Accelight at booth #3051 during OFC 2025, April 1-3, 2025.



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Company introduction

ATI, a US-based company, specializes in the custom design and manufacturing of Active Optical Modules, Passive Devices and Optical Amplifiers (EDFA), widely deployed in Data Centers, Computing Power Centers, AI Systems, and Communication Networks.