

SFP+ and XFP Pluggable EDFA Transceivers

Axiom Connectivity offers pluggable easy-to-use and cost-efficient amplifiers enclosed within SFP+ and XFP transceiver form-factors. Whether your business needs require fit with an SFP+ or XFP port, Axiom's pluggable-EDFA transceivers fit seamlessly to provide C-Band amplification. A 20dB gain in RX performance and a power boost up to +17dBm, make Axiom's SFP and XFP EDFA modules an excellent combination to add to your infrastructure.

EDFA



Benefits:

- Integrated control circuitry is compatible with conventional SFP+ and XFP port form-factors and pin map
- Extends current network infrastructure – No additional equipment required
 - Amplified gain without additional 1U/2U or 4U chassis investment – Lowers upgrade costs
 - Ideal for space-constrained environments – Amplification is contained within a pluggable SFP+ or XFP form-factored transceiver
- Extremely low heat generation

Features:

- EDFA module including a micro process control circuit
- Uncooled 980nm pump laser module
- Saturation output power up to +10dBm in booster or -2dBm in pre-amplifier
- Customized output power available
- APC (Automatic Power Control)
- ACC (Automatic Current Control) mode for optical sensing
- Control & monitoring by I2C
- LVTTTL alarm

Applications:

- 5G network
- Data center network
- Metro and long haul
- Reach extension for L2/L3 Ethernet switch
- Power boosting and pre-emphasis optical amplifier for transmission system

