

OPCOM600-OAU EDFA Booster Optical Amplifier

OPCOM600-OAU is Raisecom EDFA booster optical amplifier, enabling the directly amplification of the optical signal without converting the optical signal to electrical signal. The erbium doped fiber amplifier (EDFA) can easily compensate for the attenuation of the light signals, extending the transmission distance of optical fiber communication system efficiently. OPCOM600-OAU provides high gain with relatively little noise and demonstrated

polarization, realizing the long transmission distance of C-band wavelength optical signals. OPCOM600-OAU is featured with industry-leading advantages such as Automatic Power Control (APC), Power Reduction (PR), Automatic Laser Shutdown (ALS) and etc. With GUI-based SNMP management system, OPCOM600-OAU can be flexibly monitored and configured.

Preliminary

OPCOM600-OAU EDFA
Booster Optical Amplifier

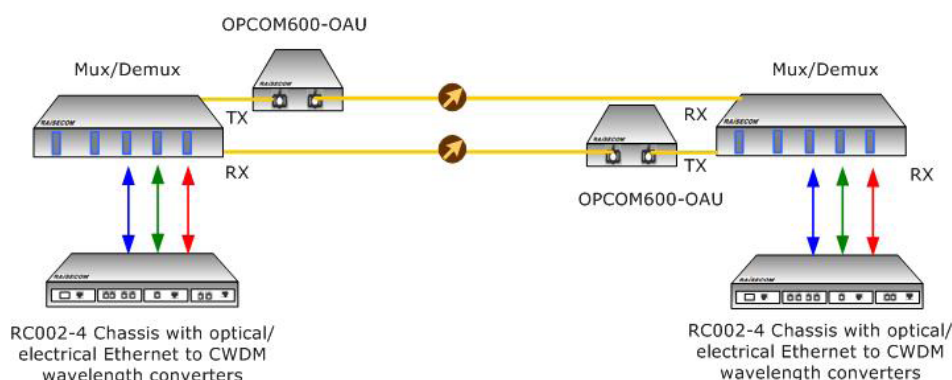
Feature

Application	Point-to-point optical fiber communication system CATV optical fiber networks
Working wavelength	1528-1562nm
Output power	+13dBm to +17dBm
Functionality	Amplifying one or two optical signals on one module
APC	Automatic Power Control allows a maintaining constant output power of the amplified optical signal
PR	Power Reduction enables flexible testing and debugging
ALS	Automatic Laser Shutdown prevents the laser from unnecessary transmitting and avoids harmful emission n case of a fiber cut
Optical power monitoring	Optical power monitoring of both input optical signal and output optical signal
Trap notification	Trap notification of temperature alarm, optical loss alarm, current alarm and etc.
SNMP managment	GUI-based SNMP management for flexible parameter configuring and monitoring

Specification

Working wavelength	1528~1562nm
Output power	+13dBm to +17dBm
Optical connector	SC for both TX and RX interfaces
Dimension	25.4*239.8*225 mm (WxHxD)
Power consumption	3w (typical value)
Operating Temperature	-0~45 Celsius
Storage Temperature	-10~-70 Celsius
Relative Humidity	5%-90% non-condensing
Safety Compliance	CE marking FCC Class A

Typical Application



Ordering information

OPCOM600-OAU-1B	EDFA booster optical amplifier, providing the amplification of one optical signal
OPCOM600-OAU-2B	EDFA booster optical amplifier, providing the amplification of two optical signals