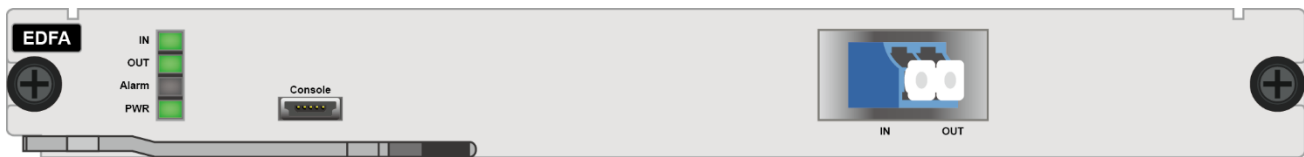


## EDFA: Optical Amplifier Board

The main function of EDFA (Erbium Doped Fiber Amplifier) Optical Amplifier Board launched by Sintai Communication is to compensate the power of the signal light in the transmission link, and it can amplify the optical signals of up to 48 channels in C-band (100 GHz channel spacing) or 96 channels (50 GHz channel spacing) at the same time, and it has the features of flat gain, gain adjustable, small noise index and other characteristics, it is an indispensable part of DWDM system and future high-speed system and all-optical network.



### Product specifications

Parameter	Description			Remark
<b>Operating wavelength range</b>	Conventional: 1529nm~1561nm for 40-wave (100GHz) or 80-wave (50GHz) DWDM systems Extended: 1528nm~1568nm for 48-wave (100GHz) or 96-wave (50GHz) DWDM system			
<b>Type of EDFA</b>	20G17	20G25	20G30	Parameter can be customised
<b>Minimum input optical power</b>	-26dBm	-34dBm	-39dBm	
<b>Saturated output optical power</b>	+20dBm	+20dBm	+20dBm	
<b>Rated gain</b>	17dB (±3 adjustable)	25dB (±3 adjustable)	30dB (±3 adjustable)	
<b>Gain flatness</b>	≤1.5dB			
<b>Coefficient of noise</b>	≤5.5 dB			
<b>Dual amplification</b>	Support built-in dual pumping for secondary signal amplification			Optional configuration
<b>Expertise</b>	Support gain lock, gain adjustable, transient control technology, output optical power automatic shutdown			
<b>Network management</b>	Support real-time monitoring of EDFA operating status, including: optical power, pumping, temperature, etc.			
<b>Number of slots occupied</b>	Support all OTNS8600 series chassis, occupies 1 slot			
<b>Optical interface</b>	LC/UPC			
<b>Maximum power consumption</b>	15W			