FEATURES

1.2.1 HIGH QUALITY: ADOPTION OF MULTIMODE HIGH POWER PUMP LASER AND POWER IS OPTIMIZED BY SOFTWARE WHICH MAXIMIZES LOWER NF OF EDFA RIVAL TO NORMAL EDFA. IT MAKES SYSTEM GET SUPERIOR

1.2.2 RELIABILITY: ADOPTION OF 19"2U STANDARD CASE, BUILT-IN HIGH PERFORMANCE EXTERNAL MODULAR SWITCHING POWER SUPPLY, OPERATING UNDER AC90 TO 250V, OPTIONAL DC48V POWER SUPPLY (PRE-ORDER) HOT-PLUGGING SUPPORTED, AUTOMATIC TEMPERATURE CONTROL CASE HEAT DISSIPATION WITH DUAL POWER COLD&HOT BACKUP.

1.2.3 INTUITIVE: MICROPROCESSOR MONITORS OPERATING STATUS OF PUMP LASER WHICH IS THE MOST VALUABLE PART OF THE EQUIPMENT, OPERATING PARAMETERS SHOW ON LCD DISPLAY.

1.2.4 NETWORK MANAGEMENT: OPTIONAL TYPE STATUS MONITORING TRANSPONDER CERTAINLY SATISFY NATIONAL, SCTE, HMS, WEB STANDARD, IT REALIZES NETWORK MANAGEMENT MONITORING FUNCTION.

1.2.5 PATENTED PRODUCT: 19"2U RACK ONLY 260MM CHASSIS DEPTH, FITS FOR SMALL CABINET.

1.2.6 PLUG-IN EDFA MODULE: THE PLUGGABLE MODULE INTEGRATES THE LASER CONTROLLING CIRCUIT, THE OPTICAL PATH FOR AMPLIFICATION, AND THE XGS-PON WDM WAVELENGTH DIVISION MULTIPLEXER, WHICH IS EASY FOR MAINTENANCE, NETWORK UPGRADING AND TROUBLESHOOTING.

1.2.7 HIGH POWER OUTPUT: COMBINED OUTPUT POWER HAS MAXIMUM TO 27~45DBM AND MULTIPLE OUTPUT CONFIGURATION IS AVAILABLE FOR USER'S REQUIREMENT.

1.2.8 WDM INSERTION: ACHIEVING GPON, 10GPON, XGPON, XGSPON, NGPON2, GEPON, ETHERNET PTP & WAVELENGTH MULTIPLEXING OF RF VIDEO (CATV) IN FTTH XPON NETWORKS.

1.2.9 CONNECTING SAFETY MODE: TO PREVENT THE OPTICAL PATCH CORD END FACE FROM BEING BURNT WHEN THE OPTICAL OUTPUT IS CONNECTED, ENABLE THIS MODE TO REDUCE THE OUTPUT POWER DIRECT TO 19DBM DURING CONNECTION. ONCE TURN OFF THIS MODE, IT RETURNS TO THE ORIGINAL SET POWER.

1.2.10 BUILT IN OPTICAL PATH SELECTOR（CUSTOMIZED）: CATV AND SAT-TV OPTICAL SIGNAL HAS TWO WAY AS A AND B OPTICAL SWITCH INPUT,（OPT SWTTCH）: AUTO（PREFER）OR MANUAL（FORCE）MODE，AUTO MODE USES PATH A IN RULE AND SWITCH TO B AS A IS NOT SATISFIED FOLLOWED PATH PRIORITY.

TECHNICAL SPECIFICATIOS

ITEMS		UNIT	INDICATORS
Optical Operating Wavelength		nm	1535~1565
Input Optical Power Range		dBm	-3~+10
Nominal Input Optical Power		dBm	+3
Maximum Alarm Value		dBm	>+10 front panel display alarm
Minimum Alarm Value		dBm	≤-10 front panel display and power off
Noise Ratio		dB	≤5.0 (0 dBm,@1550nM)
Gain Flatness		dB	<±0.3
Optical Power Output Stability		dB	<±0.5
Polarization Sensitivity		dB	<0.2
Polarization Mode Dispersion		Ps	<0.5
Input End Pump Leakage Power		dB	≤-30
Output End Pump Leakage Power		dB	≤-30
Optical Input, Output Return Loss		dB	>45(APC Stepped Face)
Pump Operating Number		No.	2~4
Rated Output Power		dBm	27~45
Linker(IN)		-	SC/APC
Linker(OUT)		-	SC/APC
C/N		dB	≥48(comment 1)
C/CTB		dB	≥63(comment 1)
C/CSO		dB	≥63(comment 1)
Power Supply/Consumption		V/W	AC165~265 or DC-48/20(hot-plugging single power)
Operating/Storage Temperature		℃	-20~50/-30~70
Operating/Storage Humidity		%	5~90
Case Size		"	19×18×5.3(3U)
Network Management Connector		/	RJ45（following national network management standard, supports WEB）
PON Optical Path with WDM	PON Wavelength	mm	1310/1490
	PON Linker	/	SC/UPC
	PON Insertion Loss	dB	<1.2
	1550 Port Insertion Loss	dB	<0.7

Comment:

1,Optical Link Test provides link index by measuring optical transmitter FWT-1550EH-2X7 and receiver FWR-8610RW.

2,The main performance index above accords with GY/T 184-2002 CATV analog optical amplifier technical requirement and measuring method.