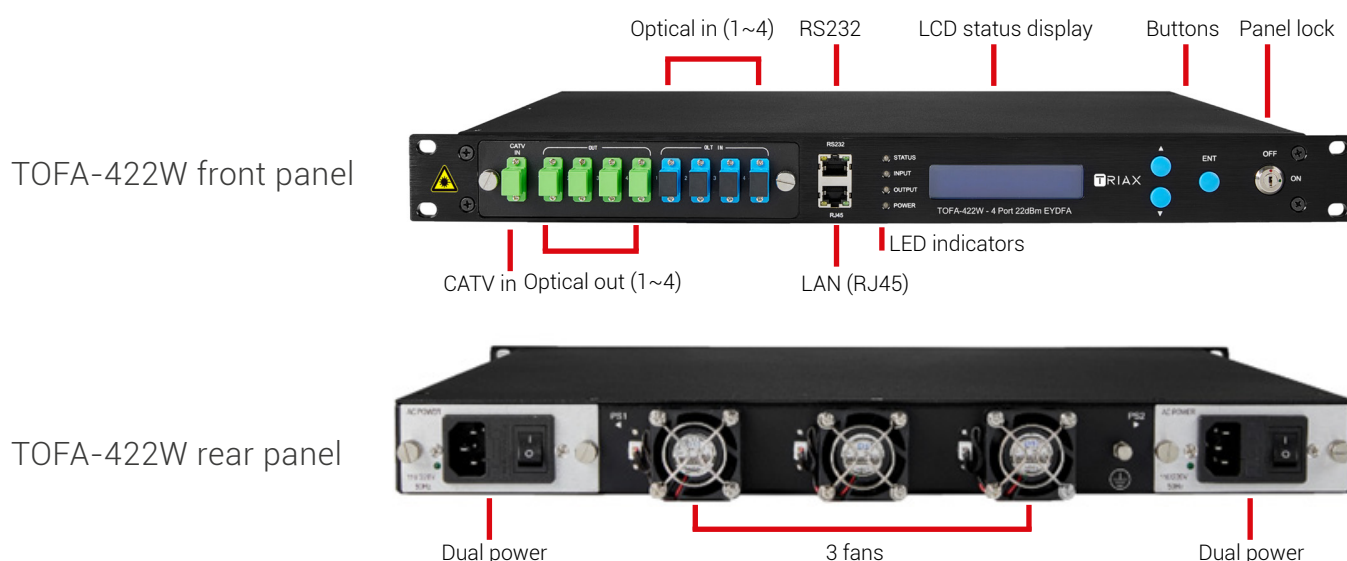


TOFA-422W - 4 Port 1550nm High Power PON EYDFA

1550nm fibre amplifier combines low-noise EDFA and high-power EYDFA.

The total output optical power can reach 37dBm, optical power of 1550nm per output port is not less than 19dBm/22dBm (optical power level selectable), replacing multiple EDFA units. Each output port has

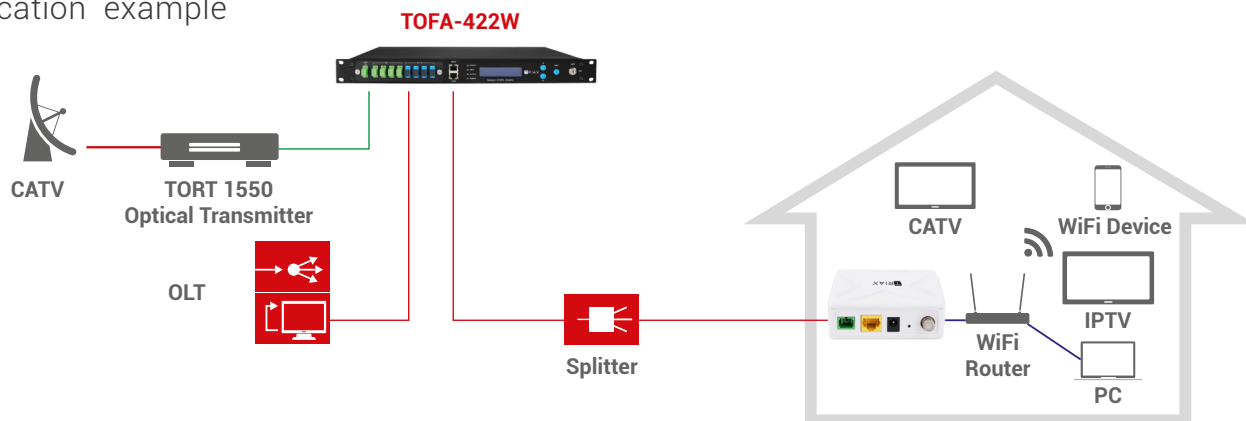
built in CWDM to multiplex CATV signal and OLT PON Data flow, ideal for FTTH applications. The TOFA-422W offers excellent performance and reliability and supports network management and power redundancy.



FEATURES

- TOFA-422W adopts a high-quality pump laser and double cladding active fibre
- Each output port has built in CWDM
- Compatible with any FTTx PON: EPON, GPON, 10GPON
- Perfect APC, ACC and ATC optical circuit design ensures low noise, high output and high reliability of the device in the whole operating band (1545 ~ 1565nm)
- Automatic protection of low input or no input. When the optical power at input is lower than the set value, the laser will automatically shut down to protect the operating safety of the device
- Output adjustable, adjustment range from 0~-4dBm
- CATV/PON dual fibre inputs
- Fast switching time of optical switch with low loss (automatic and manual)
- Built-in dual power supply, automatically switched and hot plug supported
- The operating parameters of the TOFA-422W are controlled by a microprocessor, and the LCD status display on the front panel has many functions such as laser status monitoring, parameter display, fault alarm, network management. Once the operating parameters of the laser deviate from the range set in the software by the user, the system will issue an alarm
- Standard RJ45 interface is provided, supporting SNMP and WEB remote network management

Application example



TOFA - 422W

ART. Number	308550				
EAN Number	5061038085334				
Ordering Information	Product Description			Output Power	Power Configuration
	4*SC/APC (Output) 4*SC/UPC(PON Input) 1*SC/APC (CATV Input)			4*22dBm	2*AC
Items	Unit	Min.	Typ.	Max.	Remarks
Optical					
CATV Operating Wavelength	nm	1545		1565	
OLT PON Pass Wavelength	nm	XPON:1310/1490 10G PON:1270/1577			
Optical Input Range	dBm	-3		10	1dBm interval
Output Power	dBm			37	
No. of OLT PON Ports	No.			4	SC/UPC
No. of COM Ports	No.			4	SC/APC
CATV Pass Loss	dB			0.8	
OLT Pass Loss	dB			0.8	0.1dB each step
Output Adjustment Range	dB	-4		0	
Output Ports Uniformity	dB			0.7	
Output Power Stability	dB			0.3	
Isolation between CATV and OLT	dB	40			
Switching Time of Optical Switch	ms			8	
Insertion Loss of Optical Switch	dB			0.8	
Noise Figure	dB			6	Pin: 0dBm
PDL	dB			0.3	
PDG	dB			0.4	
PMD	ps			0.3	
Remnant Pump Power	dBm			-30	
Optical Return Loss	dB	45			
Fibre Connector		SC/APC			
Network Management Interface		SNMP, WEB SUPPORT			
Power Supply	V	90		265	AC
Power Consumption	W			70	Dual power supply
General					
Operating Temp	°C	-5		65	
Storage Temp	°C	-40		85	
Operating Relative Humidity	%	5		95	
Dimension W x L x H	mm	370×483×44			
Weight	Kg	5.5			