

# OPTICAL RECEIVERS FOR GPON NETWORKS

## RO 68 CWD · RO 88 CWD

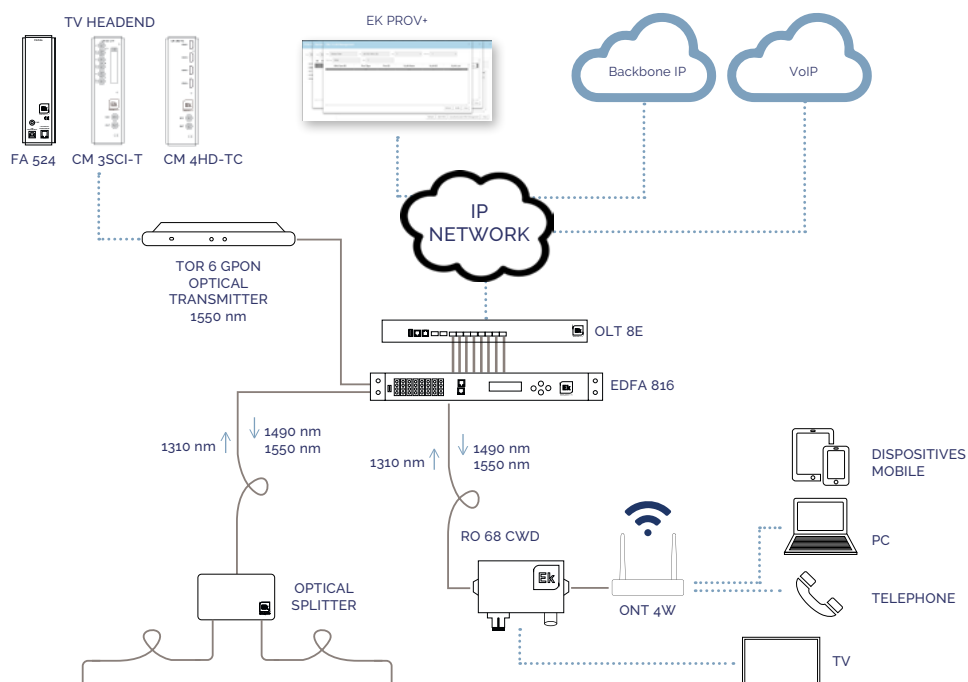
- ✓ It allows the reception of optical signal and can continue distributing it in radiofrequency
- ✓ Compatible with GPON networks. Wavelength pitch 1310/1490 nm
- ✓ RO 68 CWD: passive behavior. No need power



RO 68 CWD



RO 88 CWD



## TECHNICAL TABLE

REFERENCE		RO 68 CWD	RO 88 CWD
Code		270005	270004
Optical input			
Wavelength	nm	1540 - 1563	1540 - 1563
Pass wavelength	nm	1310 / 1490	1310 / 1490
Optical input level	dBm	+2/-12 digital ( $\geq 36$ dB) +2/-6 analogical (CNR >45dB)	+2/-20 digital ( $\geq 36$ dB) +2/-10 analogical (CNR >45dB)
AGC range	dBm	-	0 / -12
Efficiency	A/W	$\geq 0,80/1310$ nm $\geq 0,85/1550$ nm	$\geq 0,85/1310$ nm $\geq 0,9/1550$ nm
Optical return loss	dB	>50	>55
Optical connector	-	SC/APC (IN/OUT)	SC/APC (IN/OUT)
RF Output			
Frequency range	MHz	47 - 862	47 - 862
Flatness	dB	$\geq 1,5$	$\geq 0,75$
Output level	dB $\mu$ V	68 @ -1dBm	>80
Return loss	dB	$\geq 14$	$\geq 14$
Output connector	-	F	F
General			
Voltage feeding	Vdc	Not required	12 (PSU included)
Power consumption	W	-	$\leq 3$
Working temperature	$^{\circ}$ C	-20 - +55	-20 - +55