

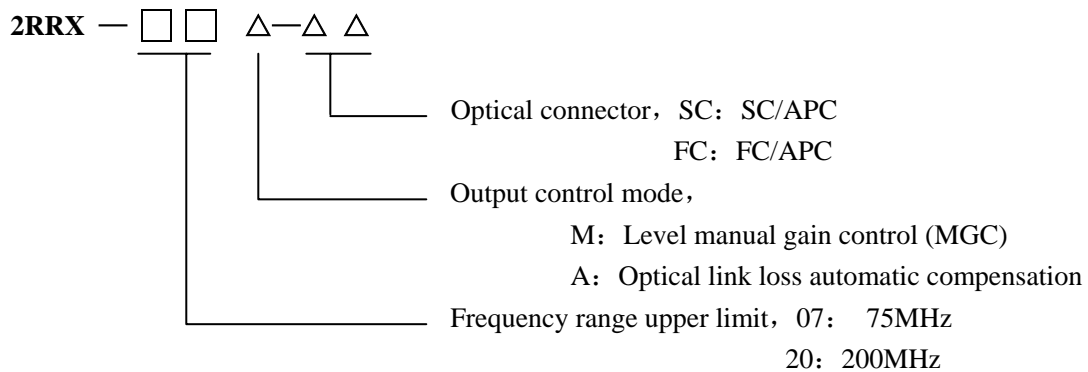
2RRX reverse optical receiver module

Description

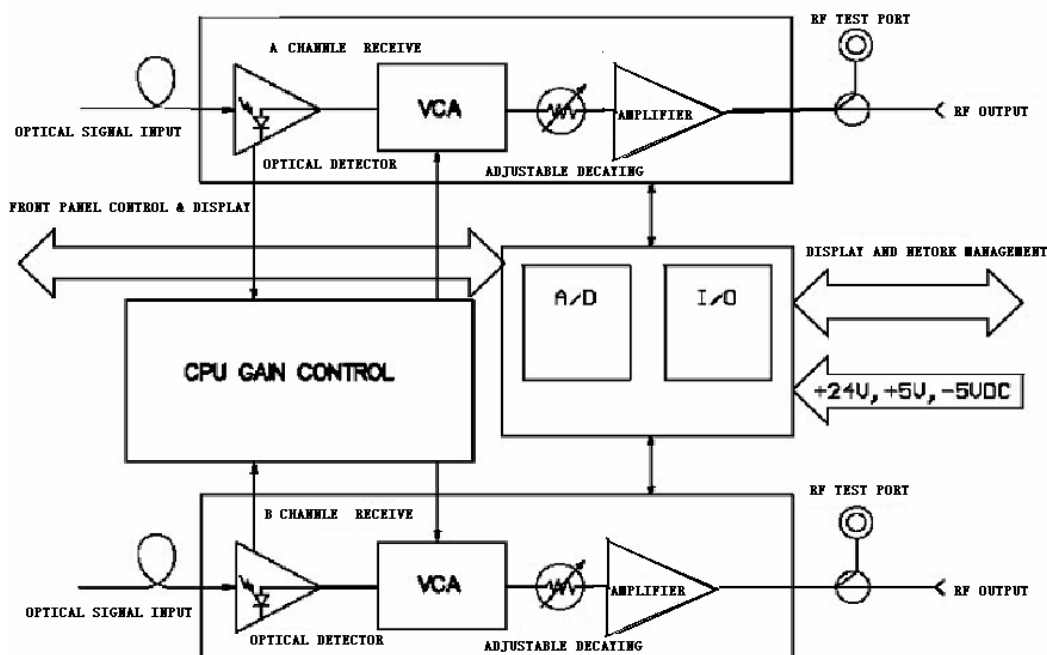
Series 2RRX reverse optical receiver module is one of the OPT1000 optical transport platform application modules, High-performance optoelectronic components are employed in the 2RRX module, which converts the optical signal received from the nodes into the RF signal and sends it to CMTS or other monitoring system.. Dual-channel reverse optical receiver module, optical link loss automatic compensation function design is optimized for easy reverse path adjustment.



Product identification system



Block diagram



Specifications

	Note	2RRX-07A-**	2RRX-20A-**	Unit
Optical wavelength range		1200~1600	1200~1600	nm
Maximum optical input power		+3	+3	dBm
Fiber connector	1	SC/APC or FC/APC	SC/APC or FC/APC	
Link loss automatic compensation range (Pin)	2	-8~0	-8~0	dBm
RF input				
Bandwidth		5~75	5~200	MHz
flatness		±0.75	±0.75	dB
Output level	3	100	100	dBμV
Impedance		75	75	Ω
Return loss		16	16	dB
Unit-to-unit isolation		>65	>60	dB
Output level test point		-20±1	-20±1	dB
C/N	4			
Distortion		>60	>60	dB
Optical input display range		+3~-16	+3~-16	dBm
Power dissipation		10	14	w
Operation environmental temperature		0~50	0~50	°C
Dimensions		40.5×118.5×424	40.5×118.5×424	mm
Weight		1.4	1.4	kg

- Notes:
1. If user doesn't select optical connector, we provide SC/APC.
 2. Range optional.
 3. Optical modulation index OMI=8%, optical input range -8~0dBm.
 4. See optical link performance.

Optical link performance

Link loss (dB)	C/N (dB)	
	OPTM-200 ※	TXR-04-**
4	—	—
5	51	—
6	50	—
7	49	—
8	48	—
9	47	—
10	46	52
11	45	51
12	44	50

Notes: Noise bandwidth 300KHz, OMI=8%.