

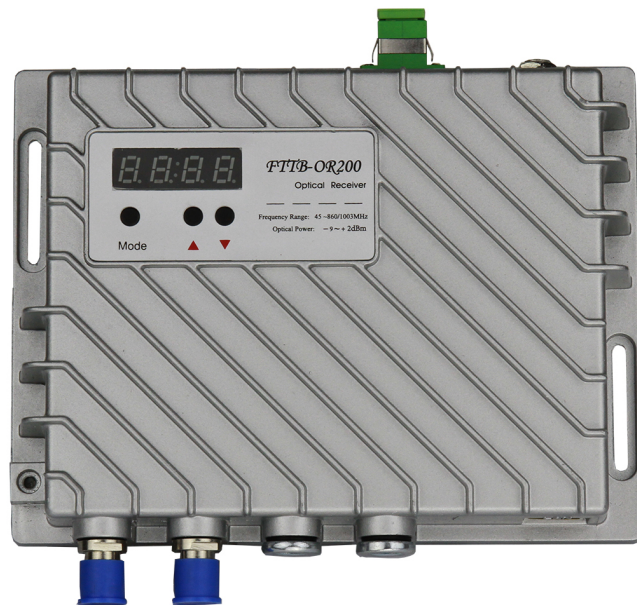


**CATV FTTB**

**AGC Optical Receiver**

**RCI OR200**

**Technical Specification**





#### ■ Performance characteristic

Adopt low noise high sensitivity PIN Optical detector.

AGC control range +2~-8dBm, output level unchanged, CTB and CSO unchanged basically.

Reasonable circuit design, and SMT process optimize the whole signal channel, making the photoelectric signal transmission more smoothly.

EQ and ATT both use the professional electric control circuit, makes the control more accurate.

Adopt full-GaAs MMIC amplification with high gain and high output level and low distortion

Work under the control of single-chip microcomputer. All parameters display digitally and easy for operation.

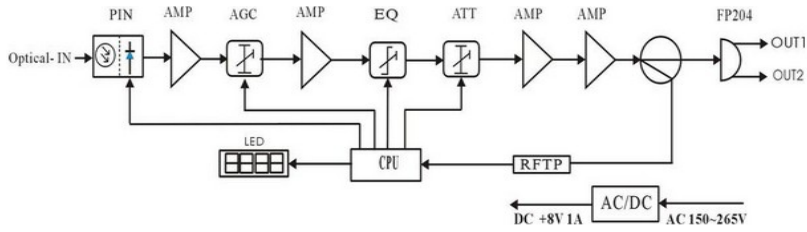
Small size and easy to install.

Built-in the national standard class network manager responder, support remote network management.

#### ■ Product application

OR200 two outputs numerical control AGC optical receiver is a specialty product which is specially designed for FTTH - Fiber to the home network structure. Can numerical control the ATT and EQ through remote button, easy for network adjusting. Low consumption, high output level, small size, compact and reasonable internal circuit structure and excellent performance make it to be the first choice to build CATV FTTB network. Main used to fiber to home network to simple the network structure, reduce the cost and optimize the signal quality.

■ Schematic diagram



■ Product photo



■ Limited index

index	OR200
Limited optical input power	+3dBm
Limited power supply (220V)	<AC100V&>AC275V
Limited working temperature	-25°C~+55°C
Limited output level	106dBuV

## Technical index

Index	OR200
Wavelength	1100-1600nm
Optical input power	- 8dBm~+2dBm
AGC control range	- 8dBm~+2dBm
Optical return loss	>45dB
Optical connector	FC/APC&SC/APC
Bandwidth	40 ~ 862&1000MHz
Flatness	±0.75dB
Nominal output level	102dBuv
Max output level	104dBuv
Output return loss	≥15dB
Gain adjustable range	0-15dB
Slope adjustable range	0-20dB
Impedance	75Ω
CN	≥51dB
CTB	≥61dB
CSO	≥60dB
Power supply	DC8V
Mainboard voltage	+8V
Working temperature	-25°C~+55°C
Consumption	≤10w
Size	160*150*30mm
Weight with inner box	520g