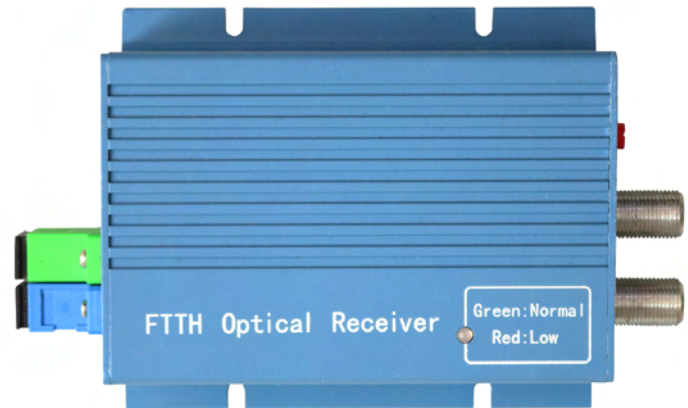


FTTH Nodes Optical Receiver **GDI-AGC03**



DESCRIPTION

GDI-AGC03 series optical receiver is home optical receiver with optical fiber access as its ultimate goal. It is suitable for FTTH (fiber to the home) network fiber subscriber access terminals, enabling analog or digital signals to enter the home. The machine uses low-power photodetectors, GaAs and optical AGC technology to meet the fiber-to-the-home CATV reception needs. This device can increase WDM and achieve triple play.

FEATURES

- High quality aluminum profile shell with good heat dissipation.
- RF channel full GaAs low noise amplifier circuit. The digital signal satisfies -18dBm reception at a minimum, and the -10dBm reception of an analog signal at a minimum.
- With light input AGC (AGC range can be customized according to user).
- Low-power design, using high-efficiency switching power supply to ensure high reliability and high stability of the power supply. The overall power consumption is less than 1W, with a light detection circuit.
- Multi-stage lightning protection devices (TVS transient suppression diodes), and lightning protection systems are tight to ensure safe operation of the equipment.
- Built-in WDM can realize single-fiber home (1490/1310/1550nm) tri-network convergence applications.
- Built-in optical isolator, input to achieve 1490/1310nm isolation.
- The output gain is manually adjustable (0~18dB) and the output level is >80dBuV.
- SC/APC or FC/APC or custom optical connectors, metric or imperial RF interfaces.



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