

Fiber Link-404

1800+2100+2600+3800 Fiber Link-404



1800+2100+2600+3800MHz Fiber Optic Repeater

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1-2 months
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1800 MHz + 2100 MHz + 2600 MHz + 3800MHz

The Fiber Optic Repeater (FOR) is designed to solve problems of weak mobile signal in the place that is far away from the Base Transceiver Station (BTS) and has fiber optic cable network underground.

The system consists of two parts: Master Unit (MU) and Remote Unit (RU). The MU captures the BTS signal via donor antenna, then converts it into optic signal and transmits the amplified signal to the RU via fiber optic cable. The RU will reconvert the optic signal into RF signal and provide the signal to the areas where network coverage is inadequate. And the mobile signal is also amplified and retransmitted to the BTS via the opposite direction.

Key features

- Ø Aluminum-alloy casing with IP65 protection has high resistance to dust, water and corrosion.
- Ø Tx/Rx control and alarm messages can be transmitted via one fiber optic cable.
- Ø Stable and improved signal transmission quality.
- Ø Adopting WDM module to realize long-distance transmission.

- Ø Built-in 5G Dynamic TDD Sync Detection Module, automatic completion of 5G wireless network cell search and wireless signaling processing.
- Ø One MU can support up to 4 RUs to maximize utilization of fiber optic cable, A star topology is supported between MU and RUs.
- Ø USB/RJ45 port provides a link to a notebook for local supervision or IP Based NMS (Network Management System) that can remotely supervise repeater's working status and download operational parameters to the repeater via Ethernet.