

Digital Fiber Optic Repeater Product Introduction

Product Overview

A digital fiber optic repeater, composed of DAU and DRU, adopts digital processing and optical fiber transmission technologies to relay and amplify base station signals.

Technical Features

- ✓ Digital processing, high signal quality
- ✓ Fiber optic transmission with long-distance reach
- ✓ Multi-standard compatibility, flexible network adaptation
- ✓ Intelligent monitoring and management
- ✓ Controllable latency, suitable for high-speed communication

Application Scenarios

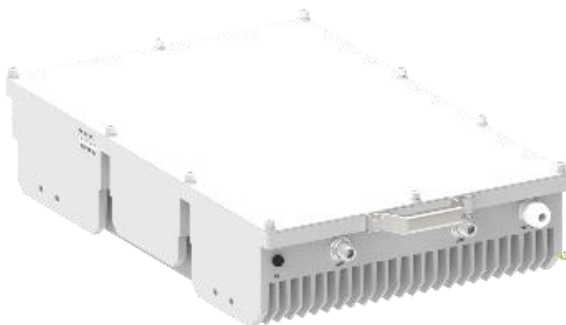
- ✓ Remote villages
- ✓ Large industrial parks
- ✓ Expressways/High-speed railway lines

Product Specifications

LTE+NR AU



LTE+NR RU



AU+RU	
Applicable scenarios	AU indoor; RU indoor and outdoor
Band	B3+N1,B3+N41,N41 MIMO,B5+B8, B3+N78,B1+N41,B41+N78
Bandwidth	55M (B1), 30M/50M (B3), 14M (B5),30M(B8), 160M (N41),200M(N78)
Max. output power	UL: -10dBm*2; DL:2*46dBm, 2*47.8dBm
Gain max	UL:50dBc, DL: 55dBc,
Link ATT	≥25dB
ALC	≥20dB
Passband ripple	≤3dB
MIMO	MIMO or Dual band
Antenna connector	2*N-K
Networking capability	Any star or chain networking
EVM	LTE:5%(64QAM);NR:3.5%(256QAM)
Frequency error	≤ ±0.05ppm
ACLR	≤ -45dBc
Optical module	SFP+/3Gbps
VSWR	≤ 1.5
Group delay	1AU+1RU: < 7us; Auto adjust
Noise figure(UL)	1AU+1RU:≤3dB
Operating temp/humidity	AU: -25 °C to+45 °C; 10% to 90%; RU: -40 °C to+55 °C; 10% to 98%
IP rating	AU: IP30; RU: IP65
Dimension (L*W*H)	AU:180mm*130mm*44mm; RU:470mm*330mm*107.5mm
Weight	AU:4kg;RU:18kg
Power supply mode	AU:AC 220V/DC 48V, RU:AC 220V/DC 48V