



Outdoor 5G TDD Radio Unit for n79/n78/n48

NTG-1012/1013/1014 is an outdoor 5G TDD Radio Unit (RU) for n79/n78/n48, with 4x5 watts output power, which is compact, light, and has excellent performance.

With high capacity and easy deployment, our RU can provide better coverage and higher capacity with minimal effort. It can realize data access for Mobile Broadband networks.

Highlights

Deployment

- Super compact and beautiful design, suitable for private and public deployments
- Higher transmission power for extended coverage
- Any IP-based backhaul can be used, including public transmission
- Support GPS synchronization
- Lower power consumption to reduce OPEX
- Provides 5G Sub-6 radio signal transmitting, receiving, and processing functions
- O-RAN 7-2x split architecture and Fronthaul interface support
- Control (C) / User (U) / Management (M) / Synchronization (S) planes

Performance

- Excellent Non-Line-of-Sight (NLOS) coverage performance
- Support 100MHz operation bandwidth
- Support n79, n78, n48 operation frequency band

Management

- Efficient remote configuring, monitoring, and maintaining operations with JRC element management system (EMS)
- Highly secured with equipment certification against potential intrusion risk



General Specification

Item	Description
Duplex Mode	TDD
Frequency Bands	n79: 4,800MHz~4,900MHz n78: 3,300MHz~3,800MHz n48: 3,550MHz~3,700MHz
Channel Bandwidth	100MHz
MAX Output Power	37dBm/Ant
Receive Sensitivity	-90dBm
Synchronization	1588v 2 SyncE
MIMO	DL: 4 x 4
Dimensions	428mm x 316mm x 137mm
Weight	15kg
Installation Type	wall, pole
Antenna	External antenna with N type connector
Power Consumption	< 150 w
Power Supply	100V to 240V AC
Operating Temperature	-40°C to 55°C
Humidity	5% to 95%
Ingress Protection Rating	IP65

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