

# 5G pRRU Pico Base Station



2515-2675 MHz

**JTD-pRRU-N41-24** (24dBm)

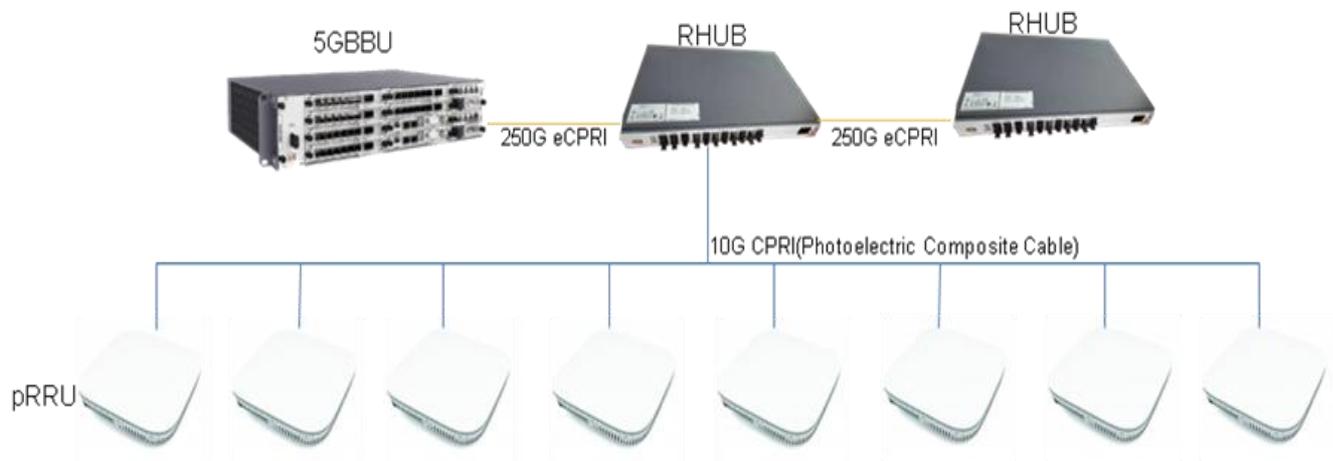
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## N41 2600MHz-5G

This is 2.6G pRRU product, which is a 5G extended Pico Base Station, the Remote Unit in the network usually needs to be used in conjunction with the extension unit (rHUB/EU) and the baseband unit (BBU) to realize 5G Wireless signal coverage.

The 5G pRRU Remote Unit adopts digital technology and uses optical fiber to carry wireless signals for remote coverage, which is mainly used in indoor coverage scenarios.



## Key features

- 2T2R design, can be upgraded to 200MHz processing bandwidth
- Compatible with CPRI and eCPRI interfaces
- Compliant with O-RAN specifications, it can be interconnected with expansion units or BBUs of different manufacturers
- The product is small in size, high in efficiency and light in weight, which is convenient for indoor installation
- Support remote upgrade and maintenance

# Specifications

## Technical characteristics

Items	Specifications
System	5G NR
Working Frequency Range	N41 (2515-2675MHz)
Working Bandwidth	80/100MHz
RF Channel	2T2R
Output Power	24dBm/Channel
EVM	<17.5% QPSK(Maximum Power) <12.5% 16QAM(Maximum Power) <8% 64QAM(Maximum Power) <3.5% 256QAM(Maximum Power)
Frequency Error	<0.01ppm
ACLR	>45dB
Shutdown Power	<-89dBm/MHz
Spurious Emission	Comply with 3GPP TS 38.104 V16.0.0
Receive Sensitivity	The throughput loss should not exceed 5%, referring to the measurement channel G-FR1-A1-5, and the single-channel receiver sensitivity should not be higher than -94dBm. (Receiver sensitivity to match tested BBU subject)
Blocking	In-channel selectivity, ACS, in-band narrowband blocking, out-of-band blocking, receiving inter-modulation, Wi-Fi coexistence and other indicators, under various interference signal conditions required in 3GPP 38.104, the single-channel receiver sensitivity is not high in any case at -88dBm. (Receiver sensitivity is subject to the BBU tested)
I/O Impedance	50Ω
ANT Interface	Built-in Antenna or External Antenna (SMA-F)
Power Supply	DC48V
Power Consumption	≤40W
Dimensions	219mmx174.5mmx62mm
Weight	≤2.5kg
Mounting	Wall or Pole Mounting
Operating Temperature	-5°C ~ +55 °C
Storage Temperature	-20°C ~ +65 °C
Application	Indoor
Relative Humidity Range	≤85%(Non Condensing)

# Schematic Diagram

