



# nCELL-M4370

## 5G Integrated Base Station

5W

4T4R

All-in-one Design  
Clock Synchronization

The nCELL-M4370 from BTI WIRELESS is based on advanced multi-core ARM and FPGA solutions and adopts an integrated design method of 5G BBU and RRU. Based on a completely independent research and development protocol stack and system software, it realizes a complete 5G NR wireless access, which can quickly provide users with a reliable 5G wireless coverage network.

The nCELL-M4370 has the advantages of low power consumption, small size, convenient construction, etc., and is suitable for applications in many 5G vertical industries.

## SYSTEM FUNCTIONS

Standard	3GPP R16
Number of Cells	1 x 4T4R or 2 x 2T2R
Cell Capacity	400 RRC users per cell
Cell Throughput	DL 1.5 Gbps, UL 260 Mbps (DDDSU) DL 658 Mbps, UL 669 Mbps (DSUUU)
Operating Frequency Band	N41:2496-2690MHz;
Channel Bandwidth	100MHz
RF Power	4*5W
Duplex Mode	TDD
Subcarrier	30 kHz
Clock Synchronization Method	GPS, 1588V2 clock synchronization
Power Supply	DC -48V or AC 220V (100V ~ 240V) (need extra power)
Power Consumption	< 230W

## HARDWARE INTERFACE

Fronthaul (Connect To Remote RRU)/Backhaul/ Cascade Interface	10G SFP+ optical port
DEBUG/RGPS Interface	Cable port
Power Input	Waterproof aviation plug
Radio Frequency Interface ANT1 - ANT4	4.3-10
GPS Antenna Connector	GPSN

## STRUCTURE PARAMETERS

Total Weight	< 17 kg   37.48 lbs
Dimension	378.5 x 278.5 x 195 mm   14.90 x 10.96 x 7.68 in
Installation Method	Supports pole installation, hanging installation, wall installation

## ENVIRONMENTAL SPECIFICATIONS

Protection Level	IP65
Operating Temperature	-40 °C ~ +55 °C   -40 °F ~ +131 °F
Working Humidity	5% ~ 95%
Working Pressure	70kPa ~ 106kPa



## nCELL-M4370 5G Integrated DATASHEET

### FCC Statement

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

### RF Exposure Information

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 236.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device must be professionally installed.

Contact Us Today

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