nCELL-TR

5G Expansion Unit

4*10Gbps eCPRI Interface
8*10Gbps CPRI Interface

The nCELL-TR from BTI WIRELESS is 5G EU that mainly used for indoor sub-coverage. It is a radio frequency remote CPRI data aggregation unit. It receives the downlink baseband data sent by the BBU, and then transmits it to the RRU after demultiplexing, and the uplink baseband data of the RRU undergoes a certain combination of processing. Send back to the BBU to realize communication with the BBU. The unit has a built-in RRU remote power supply circuit, which supplies power to the RRU through a composite optical cable.

SYSTEM ELEMENTS

HARDWARE SPECIFICATIONS

Input Power	AC176V ~ AC264V; 45 Hz ~ 65 Hz
Overall Size **(Length x Width x Height)**	482.6 x 261 x 44.5 mm | 19 x 10.27 x 1.75 in
Weight	≤ 6 kg | 13.22 lbs
Power Supply Capacity	8*40W, the power supply capacity of each remote port is 40W
Power Consumption	≤ 55W (static)
Protection Level	IP31
Noise Requirements	< 45dBA
Operating Temperature	-20 °C ~ +55 °C | -4 °F ~ +131 °F
Transmission Interface	BBU/EU side: 4*10Gbps eCPRI
	RRU side: 8*10Gbps CPRI
Networking Method	Star
Cascade Capability	EU interface, level 2
Reach Ability	Composite optical cable 200 meters
Synchronize	Supports to extract clock synchronization from BBU interface, supports GPS or BD dual-mode work, with automatic switching function

INTERFACE SPECIFICATIONS

AC220V	AC176V ~ AC264V
ON/OFF	Switch
BBU/EU (1-4)	SFP+ optical port, 10/25GHz adaptive, connect to BBU or EU extension
RRU (1-8)	SFP+ optical port, 10/25GHz adaptive, connect to RRU
DC1-DC8	DC54V 2 core
LAN	RJ-45, commissioning port
1PPS/TOD	RJ-45, clock synchronization interface
GPS	GPS+BD synchronous antenna interface
GND	M4, grounding post

INDICATOR SPECIFICATIONS

PWR	Power indicator green LED
RUN	Operation indicator Green LED
ALM	Alarm indicator red LED
GPS	Sync indicator Green LED
PTP	Sync indicator Green LED
BBU/EU (1-4)	SFP+ optical port synchronization indicator green LED
RRU (1-8)	SFP+ optical port synchronization indicator green LED

Contact Us Today
www.btiwireless.com
sales@btiwireless.com