EUCAST 5G Product – mmWave 5G Outdoor RAN

- CU (core unit) / DU (digital unit) / RU (radio unit) integrated
- Standard : 3GPP Release 16
- Freq. Band : TDD, N257
- 5G NR NSA (EN-DC)
- NR-DC (NR NR Dual Connectivity)
- Ch. BW. : 4 * 100 MHz
- Antenna : 128Tx 128Rx
- Sync. : GPS or IEEE1588v2
- IP65

Software Specification

5G Capability	Release 16
Standard Support	3GPP 5G-NR Rel-16
Duplexing mode	TDD
Peak throughput	DL: 2.2 Gbps, UL: 200 Mbps
Max. Modulation	64 QAM
Component carrier BW	100 MHz
Occupied Bandwidth (OBW)	DL: 400 MHz (4CC), UL: 200 MHz (2CC)
Instantaneous BW (IBW)	800 MHz
Sub-carrier spacing	120 kHz
MIMO layers	DL:2, UL:1
Antennas (Tx/Rx)	128Tx 128Rx
TTI duration	0.125 ms
# Users/TTI	DL/UL: 2 users/TTI
Spectrum support	26.5~29.5GHz, 37.0~40.0GHz (n257, n258(partial), n260, n261)

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Leading Mobile Wireless Access Technology

Operation and Maintenance

- Remote/local maintenance, based on SSH & web interface
- Remote maintenance
- Online status management
- Performance statistics
- Fault management
- Configuration management
- Local or remote software upgrading and loading
- Logging
- Connectivity diagnosis
- Automatic start and configuration
- Alarm reporting
- KPI Recording
- OAM/EMS integration: NETCONF YANG

Hardware Specification

Parameter	Value	Comments
Frequency(Band)	28GHz(n257): 26.5~29.5GHz	-
Network Interface	10Gbps SFP+	802.3 10G Base-X
Max, Output Power	EIRP 48dBm (64QAM)	
Installation	Wall mount	
Input Power	DC +28V	
Size(WxHxD) [mm]	291 x 270 x 54 [mm]	
Weight	<4.5kg	
Power Consumption	55 Watt (typical)	
Operating Temperature	-5℃ ~ +40℃	