EUCAST 5G Product – Sub 6 GHz 5G Indoor RAN

- **CU / DU / RU integrated**
- **Standard : 3GPP Release 16**
- **5G NR SA, NR-DC**
- **Max 128 connected, 64 active users**
- **Sync. : GPS or IEEE1588v2**

Software Specification

5G Capability	Contents
Standard Support	3GPP 5G-NR Rel-16
Duplexing mode	TDD
Peak throughput	DL: 500 Mbps, UL: 400 Mbps (DDSUU, 100MHz)
Modulation	QPSK, 16QAM, 64QAM, 256 QAM
Bandwidth	20, 40, 100 MHz
Sub-carrier spacing	30 kHz
MIMO layers	DL:2, UL:2
DL/UL MU-MIMO	DL/UL: 2L to 1UE or 1L to 2UEs
Antennas (Tx/Rx)	2Tx 2Rx
TTI duration	0.5 ms
# Users/TTI	DL/UL: 8 users/TTI
Spectrum support	n41, n48, n77, n78, n79

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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

Item	Description	Remark
Frequency (Band)	Sub 6GHz	n41, n48, n77, n78, n79
Maximum Tx Power	22 dBm per antenna port	
Bandwidth	20MHz/100MHz	
Modulation	QPSK/16QAM/64QAM/256QAM	
Antenna	2T/2R	DL: 2 layer, UL: 2 layer
Backhaul	2.5G Base-T Ethernet	
Power	AC adaptor : AC 100~240V, 50/60Hz DC 12V	Using AC/DC adaptor,
Power Consumption	< 50W	
Size (mm)	215(W) x 215(D) x 70(H)	
Weight	1.5 Kg	
Temperature	0 ~ +40°C	
Installation	Wall Mount, Ceiling	

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