



EUCAST 5G Product – Sub 6 GHz 5G small cell

- CU / DU / RU All-in-one
- Standard : 3GPP Release 16
- 5G NR SA
- NR-DC (NR NR Dual Connectivity)
- Max 128 connected, 64 active users
- Sync. : GPS or IEEE1588v2
- Embedded UPF for Local Break-Out (LBO) (Optional)



Software Specification

5G Capability	Specification
Standard Support	3GPP 5G-NR Rel-16
Duplexing mode	TDD
Peak throughput	DL 500Mbps, UL 400Mbps (DDSUU) (100MHz BW)
Max. Modulation	DL/UL: 256 QAM
Component carrier BW	100 MHz
Bandwidth	100 MHz
Sub-carrier spacing	30 kHz
MIMO layers	DL:2, UL:2
Antennas (Tx/Rx)	2Tx 2Rx
TTI duration	0.5ms
# Users/TTI	DL/UL: 8 users/TTI
Concurrent UE	64 active
Availability/Redundancy	NG-Flex (AMF Pooling)
Spectrum support	n77, n78, n79, and etc.



Operation and Maintenance

- Remote/local maintenance, based on SSH & web interface
- 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	n77, n78, n79, and etc.
Maximum Tx Power	23 dBm per antenna port	
Bandwidth	40, 100MHz	2x100MHz (2Q2024)
Modulation	QPSK/16QAM/64QAM/256QAM	
Antenna	2T/2R	
Backhaul	2.5 GBase-T	Copper interface
Backhaul	10 GBase-X	Optic interface
Power	AC adaptor : AC 100~240V, 50/60Hz DC 12V	Using AC/DC adaptor,
Power Consumption	50W typ.	
Size (mm)	200(W) x 200(D) x 60(H)	
Weight	2 Kg	
Temperature	0 ~ +40°C	
Installation	Wall Mount, Ceiling(R/A)	