



Portable 5G System (Network in a Box)

- CU (core unit) / DU (digital unit) / RU (radio unit) integrated
- 5GC integrated
- App Servers(option): IP-PTT
- Standard : 3GPP Release 16
- Freq. Band : TDD, 4.72~4.82GHz (N79)
- Ch. BW. : 20/100 MHz
- MIMO : 2x2
- Sync. : GPS or IEEE1588v2
- IP65



Software Specification

5G Capability	Release 16
Standard Support	3GPP 5G-NR Rel-16
Duplexing mode	TDD
Peak throughput	DL: 500Mbps, UL: 400 Mbps (DDSUU, 100MHz)
Modulation	QPSK, 16QAM, 64QAM, 256QAM
Component carrier BW	20, 40, 100 MHz
Sub-carrier spacing	30 kHz
MIMO layers	DL:2, UL:2
Antennas (Tx/Rx)	2Tx 2Rx
TTI duration	0.5 ms
# Users/TTI	DL/UL: 8 users/TTI
User Capacity	128 concurrent users (64 concurrent voice calls)
Spectrum support	n41, n48, n77, n78, n79



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
Network Interface	10G Base-X 2.5G base-T	
Max, Output Power	33dBm + 33dBm	
Installation	Backpack	
Input Power	DC +24V	
Size(WxHxD) [mm]	464 x 260 x 122 [mm]	
Weight	<10kg	Without batteries
Power Consumption	110 Watt (typical)	
Operating Temperature	-20°C ~ +50°C	