Network in a Box (Car Carrying)

- **CU (core unit) / DU (digital unit) / RU (radio unit) integrated**
- **5G Core integrated**
- **App Servers(option): IP-PTT**
- **Standard : 3GPP Release 16**
- **Ch. BW. : 20/40/100 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
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

Parameter	Value	Comments
Network Interface	10G base-X 2.5G base-T	
Max, Output Power	43dBm + 43dBm	
Installation	19" rack amount or Table mount	
Input Power	DC +28V	
Size(WxHxD) [mm]	429 x 385 x 155 [mm]	
Weight	<25kg	
Power Consumption	230 Watt (typical)	
Operating Temperature	-30 ~ +50℃	

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