



TELECOM INFRA PROJECT



OPENCELLULAR

OC-LTE





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Analog

- Operating frequencies:

Band	Reception	Transmission
1800	1710-1785 MHz	1805-1880 MHz

- Antenna configuration:
 - 2T / 2R MIMO
- Maximum output power:
 - 1 Watt (30 dBm) per channel
- Bandwidth:
 - 5, 10, 15 & 20 MHz
- Synchronization:
 - GPS, PTP

Services

- Peak rate:
 - 150 Mbps DL / 50 Mbps UL (20 MHz BW)
- Users:
 - 64 active

Logical interfaces

- S1; X2
- TR-069

Processing resources

- Baseband
 - Cavium OCTEON Fusion® CNF-7130, 4 GB DDR-3
- Application
 - Intel Atom E3845, 1.91 GHz. 2/4 GB DDR-4, 64/128 GB mSATA

Physical interfaces

- Antennas:
 - (2) N-type
- GPS antenna:
 - Internal
- Traffic and control:
 - (2) Ethernet RJ45
- Power switch

Electrical

- Max power consumption:
 - 55 Watts
- Power interfaces
 - DC
 - PoE++ (PD, PSE)
- DC Input voltage:
 - 24 VDC nominal
 - 16-28 VDC supported

Mechanical

- Dimensions:
 - 440 mm × 223 mm × 188 mm
- Weight:
 - 9 kg (unit)
 - 3.6 kg (mounting bracket)
- Mounting options:
 - Pole, wall, tower

Environmental

- Operating temperature:
 - 40 °C to +55 °C, plus solar loading
- IP65
- Passive cooling