



TELECOM INFRA PROJECT



OPENCELLULAR

OC-2G





# OC-2G

## Redefining low-cost mobile infrastructure, once again

### Analog

- Operating frequencies:

Band	Reception	Transmission
850*	824-850 MHz	869-895 MHz
900	880-915 MHz	925-960 MHz
1800*	1710-1785 MHz	1805-1880 MHz

- Maximum output power:
  - 28 dBm
- Output level setting:
  - 1 dB steps
- Clock accuracy:
  - < 0.05 ppm
- Sensitivity:
  - 109 dBm, 2% BER
- Maximum cell radius:
  - 22 km

### Services

- Speech format:
  - AMR, HR, FR, EFR
- Data services:
  - GPRS CS-1 to CS-4, multislots
  - EGPRS MCS-1 to MCS-9, multislots
- Encryption:
  - A5/0, A5/1, A5/2, & A5/3
- Maximum capacity:
  - 14 concurrent calls (8.2 Erlangs)

### Logical interface

- Abis over IP
- Gb

### Physical interfaces

- Antenna:
  - N-type
- GPS antenna:
  - SMA
- Traffic and control:
  - Ethernet RJ45

### Electrical

- Power consumption (24-hour average):
  - 14 Watts (@ 28 dBm output)
- Input voltage:
  - 24 VDC nominal
  - 19-30 VDC supported

### Mechanical

- Dimensions:
  - 220 mm x 280 mm x 93 mm
- Weight:
  - 6 kg
- Mounting options:
  - Pole, wall, tower

### Environmental

- Operating temperature:
  - 20 °C to +55 °C, plus solar loading
- Storage temperature:
  - 40 °C to +70 °C
- Rating:
  - IP66
- Cooling:
  - Passive

\* Future support. Ask for availability.