5G NR with mmWave

Interfaces and Peripherals

- Transmission Bandwidth: 400 MHz
- Fully integrated phased array
- 256 Antennas
  - mmWave integrated phased array
  - Hybrid beamforming
  - High peak rates
  - Multi-user beam forming
  - Low end to end latency
  - Dynamic beam forming
- Transmit power: 15dBm
- Processing System: Quad ARM Cortex-A53, Dual ARM Cortex-R5
- Memory: 4 GB DDR4 SODIMM
- Boot modes: SD card, eMMC and QSPI
- 100G Ethernet, 10G Ethernet
- Cooling: Passive

Interfaces and Peripherals

- Fronthaul : eCPRI
- UART, JTAG

MAKE IN INDIA

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Specifications

- Enclosure category: IP65
- Nominal power supply: -48 Volt
- Health monitoring: Voltage, current & temperature
- Calibration support
- Lightning protection: Line to ground: 15KV, Line to line 7.5KV
- Remote Switch on/off

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