

# Empowering the next generation of mobile network

## LTE Small Cell Solutions

### MB4300 Series - All-in-One eNodeB -



**The optimal capacity & cost-effective solution that meets diverse customer requirement.**

### NEC's Small Cell Concept

The Pioneer in Innovation, Product Quality and Reliability

#### Low TCO

- ✓ Small form factor and light weighted
- ✓ Eco-friendly by low power consumption
- ✓ Leading self-configuration solution
- ✓ Fast and easy installation (one touch)

#### High Flexibility

- ✓ All-in-one compact architecture
- ✓ Zero foot print implementation
- ✓ Multiple deployment scenario
- ✓ Flexibility in frequency band

#### High Capacity

- ✓ Hot spot solution for target area
- ✓ Coverage extension & hole solution
- ✓ Applicable for HetNet environment

### Product Overview



NEC's LTE solutions provide an extremely flexible platform that offers operators smooth, simple and seamless migration from their existing networks. NEC offer many options in moving forward and choosing the optimum HW & SW deployment for operators business needs.

NEC commits to provide LTE solutions that require minimal disruptions and leverage our customers' existing network assets. Our complete range of technologies gives operators a broad choice of LTE migration scenarios.

The MB4300 series is a compact all-in-one LTE base station system. This series allows for a wide range of installation options in areas with limited space, such as rooftops and compact indoor spaces. The design concept focuses on reducing not only CAPEX, but also OPEX. Ideally, paves the way for more cost effective installation of small cell base stations, help boost capacity and improves overall performance.

**\*Specifications**

<b>Standard Compliance</b>	LTE (3GPP Release-9)
<b>Platform Classification</b>	All-in-one Micro Cell
<b>Duplex Mode</b>	FDD
<b>Frequency Range</b>	700 [MHz], 1800[MHz], 2100[MHz], 2600[MHz]
<b>Channel Bandwidth</b>	5, 10, 15, 20 [MHz]
<b>Transmit Power</b>	~5 [W/ant]
<b>Ant Port</b>	TX/RX: 2/2 (2 x 2 MIMO)
<b>Modulation Schemes</b>	Downlink: OFDMA (QPSK, 16QAM, 64QAM)
	Uplink: SC-FDMA (QPSK, 16QAM)
<b>Weight</b>	10Kg
<b>Volume</b>	10L
<b>Dimensions</b>	319(W) × 402(H) × 106.5(D) mm
<b>Operational Temperature</b>	-40 to 55° C
<b>Ingress Protection Class</b>	Outdoor IP66
<b>Number of UE</b>	Active users: 200 users/cell
<b>Input Power</b>	DC-48V, AC100~240V (Option)
<b>Backhaul</b>	Electrical: 1000Base-T, 100Base-TX
	Optical: 1000Base-SX, 1000Base-LX

\*Specifications are subject to change without notice

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