

## NOVA-233 SERIES ENODEB

Baicells Nova-233 series is an outdoor LTE eNodeB with 2\*1 watt output power. It supports either external or internal antennas (Nova-233A). It is a low cost and easy-to-install eNodeB, which integrates frequency radio unit and baseband in one box, minimizing location requirements. For rural or suburb scenarios, it is critical to reduce initial investment, as number of potential users and ARPU are much lower than those in urban areas. Therefore, the ROL cycle could be shorter compared to a macro base station solution.



## HIGHLIGHTS

- Integrated design, lower power consumption, flexible backhaul with any IP based backhaul.
- Excellent Non-Line-Of-Sight (NLOS) coverage performance, 30dbi higher than Wi-Fi.
- Plug-and-play with SON capabilities without extra SON servers.
- Supports eGW for S1 aggregation, local traffic offload and charging function coordinating with eGW.
- Supports local traffic offload and charging with both integrated Local Gateway (LGW) and external eGW.
- Supports efficient remote configure, monitor and maintain operations with Baicells network management system (NMS) BaiOMC.
- Smooth evolution to C-RAN architecture.



Item	Nova-233 TDD Outdoor eNodeB	Nova-233 FDD Outdoor eNodeB	Nova-233A Outdoor eNodeB with Internal Antenna
LTE Mode	TDD	FDD	TDD
Frequency Bands	38/39/40/41/42/43/48 and bands customization	1/2/3/4/5/7/8/12/13/17/20/28 and bands customization	38/39/40/41/42/43/48 and bands customization
Channel Bandwidth	5/10/15/20 MHz	5/10/15/20 MHz	5/10/15/20 MHz
MAX Output Power	30dBm/Ant	30dBm/Ant	30dBm/Ant
MIMO	DL: 2 x 2	DL: 2 x 2	DL: 2 x 2
Peak Rate	DL: 110 Mbps, UL: 28 Mbps	DL: 150Mbps, UL: 50Mbps	DL: 110 Mbps, UL: 28 Mbps
User Capacity	96 concurrent users	255 concurrent users	96 concurrent users
Antenna	External high-gain antenna	External high-gain antenna	Internal high-gain antenna - Polarization Mode: ±45° - Antenna Gain : 14dBi - Half Power Lobe Width : Horizontal direction 65°, vertical direction 15°
Synchronization	GPS, 1588 V2	GPS, Network Listening	GPS, 1588 V2
Dimensions	227mm (H) x 305mm (W) x 74mm (D)	345mm (H) x 245mm (W) x 77mm (D)	227mm(H) x 305mm(W) x 103.5mm(D)
Weight	4.4 kg	5.8 kg	4.5 kg
Backhaul	1 Optical (SFP) and 1 RJ-45 Ethernet interface (1 GE)		