

# Nova 10W Outdoor TDD eNB



## INTRODUCTION

The Baicells Nova 10W eNodeB is an outdoor Long-Term Evolution (LTE) eNodeB with 2\*10W output power (2x2 MIMO with 10W output each channel). The 10W eNB operating in Time Division Duplexing (TDD) mode offers full LTE performance, helping operators to provide better coverage and higher capacity.

## FEATURES

- Standards-based TDD band 41, 2.5 GHz
- 2 x 10W maximum output power
- Plug-and-play with self-organizing network (SON) capabilities
- Built to IP67 standards
- Excellent NLOS coverage performance
- 10 or 20 MHz bandwidth operation
- Local and Web GUI management, with network management using Baicells Operators Management Console (OMC)
- 96 active users

## HARDWARE SPECIFICATIONS

LTE Mode	TDD
Frequency Bands	41
Channel Bandwidth	10 or 20 MHz
Max Output Power	40 dBm per antenna
Synchronization Mode	GPS; OTA
Backhaul Mode	1 standard optical (SFP) and 1 RJ-45 Ethernet interface (1 GE)
MIMO	DL: 2x2
Dimensions (HxWxD)	17.3 x 9.4 x 5.5 inches 440 x 240 x 140 mm
Installation Method	Pole or wall mount
Antenna	External high-gain
Power Consumption	< 190W
Power Supply	100-240V AC / DC 48V adaptor
Weight	< 25 lbs (11 kg)

Note: The test method for receive sensitivity is proposed by the 3GPP TS 36104, which is based on 5 MHz bandwidth, FRC A1-3 in Annex A.1 (QPSK, R=1/3, 25RB) standard.

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°F to 131°F (-40°C to 55°C)
Storage Temperature	-49°F to 158°F (-45°C to 70°C)
Humidity	5% to 95%
Atmospheric Pressure	70 kPa to 106 kPa
Ingress Protection	IP67 rated

## SOFTWARE SPECIFICATIONS

LTE Standard	3GPP Release 9
Max User Capacity	96 active
Traffic Offload	Local IP Access (LIPA) Selected IP Traffic Offload (SIPTO)
Network Management Interface	TR069
Maintenance	Remote and local maintenance
	Online status management
	Performance statistics
	Fault management
	Local or remote software upgrade
	Logging
	Connectivity diagnosis
	Automatic start and configuration
	Alarm reporting
	KPI recording
	User information tracing
	Signaling trace