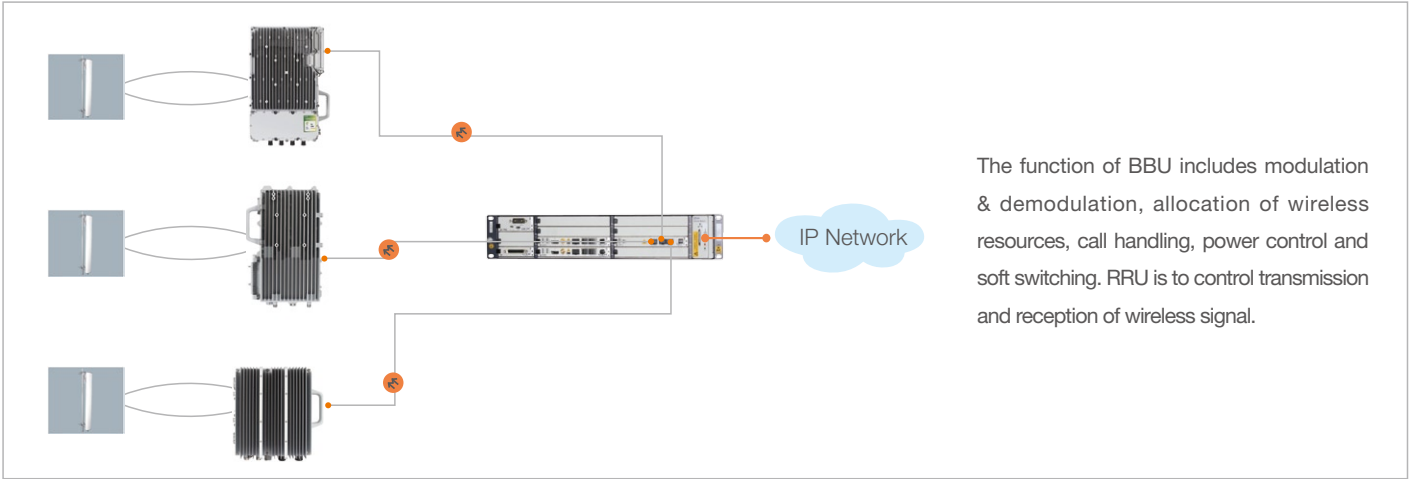# ZiLTE Base Station
Base Band Unit (BBU)

- **SDR-Based** All-in-one (PDT/DMR/ZiLTE/CDMA/GSM/WCDMA)

- **LTE Technology** Multiple bandwidth (1.4 MHz/3 MHz/5 MHz/10 MHz/15 MHz /20 MHz)

- **B-TrunC Standard** Call setup time < 250 ms

- **High Integration** Supports 36 cells, data processing ability of 3.6 Gbps in the downlink and 1.8 Gbps uplink

- **Quick Deployment** 30 - 50 % time-saving

- **Highly Reliable** Redundancy design

- **Eco-friendly** Low power consumption

SDR Architecture

The Base Band Unit (BBU) is connected with Radio Remote Unit (RRU) through optical fiber, and the interface supports CPRI standard.

The function of BBU includes modulation & demodulation, allocation of wireless resources, call handling, power control and soft switching. RRU is to control transmission and reception of wireless signal.

Specifications

Indoor BBU: ZXSDR B8200

	B8200
Dimensions (H × W × D)	88.4 mm × 482.6 mm × 197 mm
Weight	< 7.5 kg
Power Consumption	90W (Basic Configuration)
Power supply	- 48V DC / 220V AC
Clock synchronization mode	GPS / GLONASS / BDS / 1588
Operating temperature	- 10 °C + 55 °C
Operating humidity	5 % RH ~ 95 % RH
Max. Cells	Ant.8 BF: 18 2T2R: 36

Outdoor BBU: ZXSDR B8901

	B8901
Dimensions (H × W × D)	290 mm × 220 mm × 64 mm
Weight	< 4 kg
Power Consumption	< 100 W
Power supply	- 48 VDC / 220 VAC
Clock synchronization mode	GPS / 1588
Operating temperature	-10 °C ~ + 55°C
Operating humidity	2 % RH ~ 98 % RH
Protection Rate	IP65
Max. Cells	Ant.8 BF: 3 2T2R: 8