

Enterprise LTE Small Cell

Serves LTE connectivity for businesses



Items	Specification
Concurrent active users	32 / 64
Maximum TX Power	100mW/path
MIMO / Antennas	2 x 2 MIMO, External Antenna
Dimensions	210.9 x 132 x 33 (L x H x D / mm)
Weight	800g

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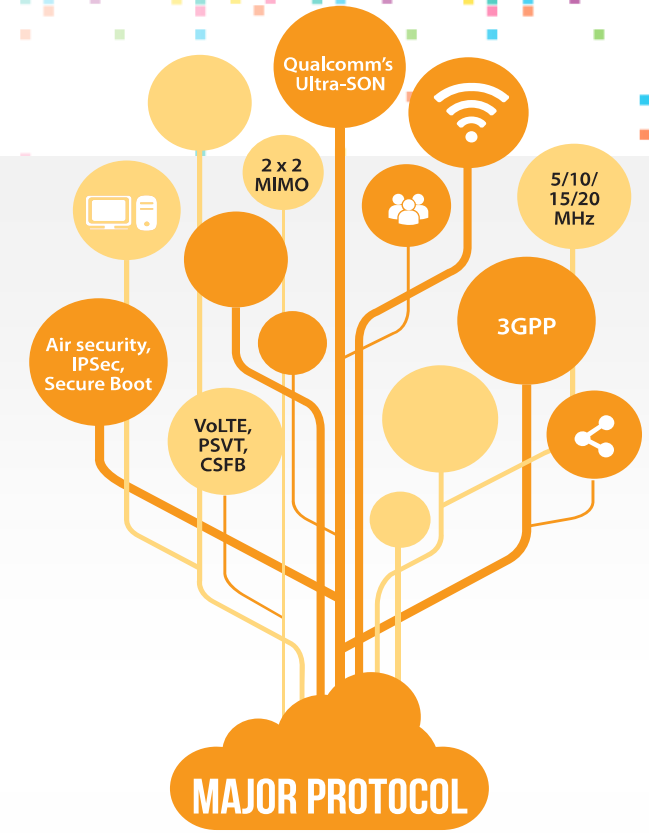
High Quality of Service & Great User Experience

Scalable Capacity



Protocol S/W Features

- 1 3GPP Compliant Release 9/10 LTE HeNB
- 2 Scalable bandwidth with 5/10/15/20MHz
- 3 2 x 2 MIMO
- 4 Air security, IPSec, Secure Boot
- 5 Supports VoLTE, PSVT, CSFB
- 6 Intra/inter-frequency handover, X2 & S1 based handover
- 7 Gigabit Ethernet Backhaul Connection
- 8 IEEE 1588v2 PTP / NTP Synchronization, NL Synchronization, GPS* Synchronization
- 9 TR-069 standard interface & TR-181/TR-196 standard data model for Management System
- 10 SON



* GPS Synchronization is for TDD Feature

Qucell SON Solution

Possible to minimize the OPEX with SON functions

Planning

Deployment

Optimization/Maintenance

Automated
Planning

Self
Configuration

Self
Optimization

Self
Healing

SON Functions

Automated Planning

- Planning of eNodeB
- Planning of eNodeB Radio parameters
- Planning of eNodeB Transport parameters

Self-Configuration

- eNodeB/network authentication
- O&M Secure tunnel setup
- Automatic inventory
- Automatic Software download to eNodeB
- Transmission / Radio parameters setup
- Self Test

Self-Optimization

- Neighbor list optimization
- Interference control
- Handover parameter optimization
- QoS parameter optimization
- Load balancing, RACH optimization

Self-Healing

- Hardware/Capacity extension
- Cell/Service outage detection and compensation
- Real-Time performance management
- Subscriber and equipment trace
- Outage compensation for higher level NEs
- Fast recovery of unstable NEM system

Reference network configuration

