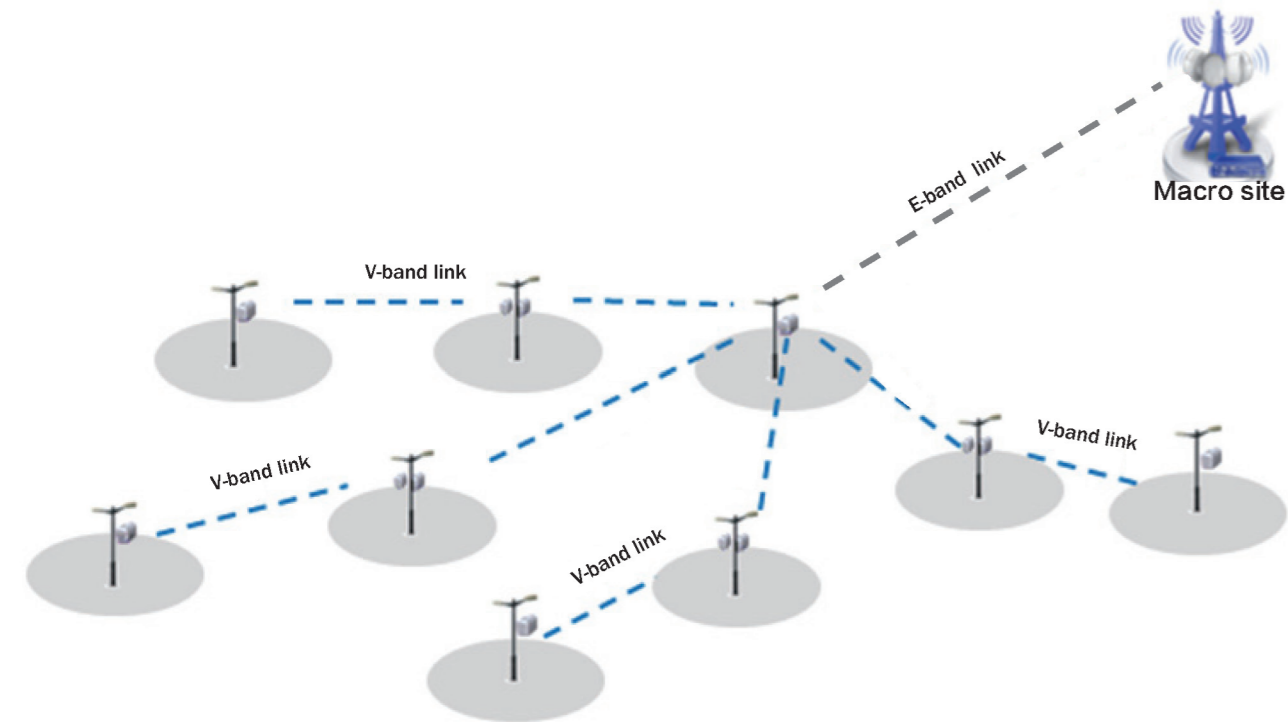




RTN 360

Best Companion
for Small Cell Backhaul

Typical RTN 360 Application Scenario: Small Cell Radio Backhaul



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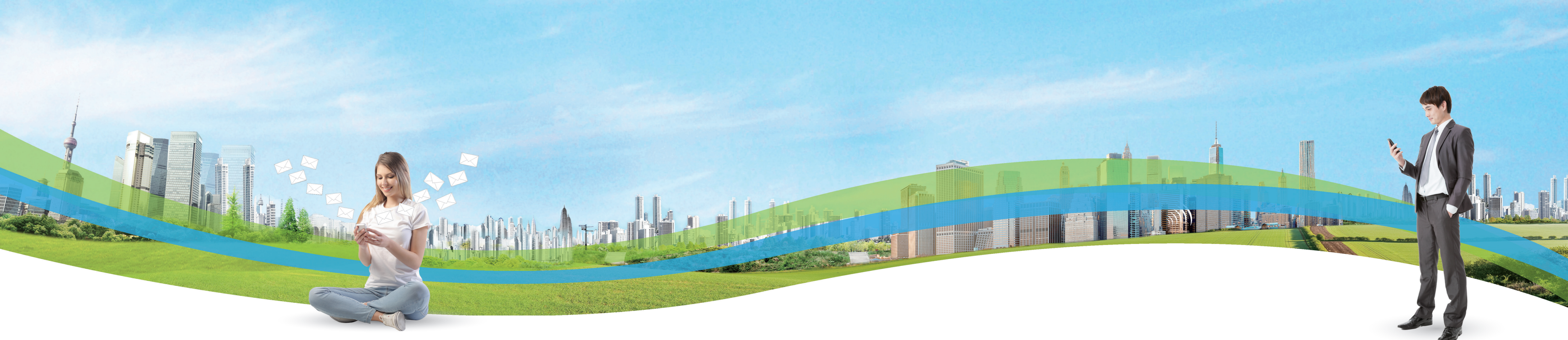
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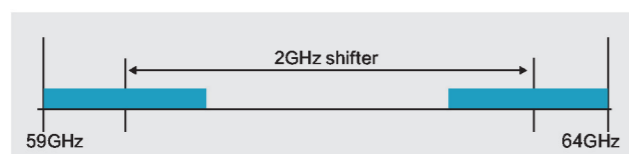


Small cell is important part in the MBB solution. They ensure sufficient bandwidth in hotspot areas and also cover blind spots, contributing greatly to the implementation of anytime and anywhere high-speed Internet access.

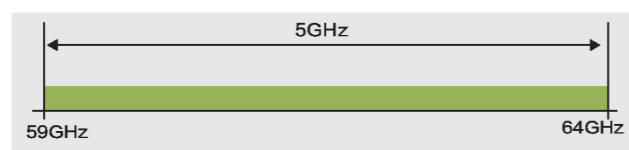
V-band is unlicensed in most of the conditions, and the merit of its easy installation and maintenance will greatly improve small cell deployment efficiency while lower costs in the same time.

TDD mode, high frequency utilization and easy employment, tailored for small cell backhaul

- No need for T/R spacing, allowing all V-band frequency to be used for data transmission.
- No need to distinguish high site and low site, meaning that a single type of equipment can cover the entire V-band, resulting in simpler delivery, and lower costs for spare-parts .
- Single operating frequency band, facilitating the identification of the working frequency and dense deployment of RTN 360.
- Asymmetric uplink and downlink service configurations with the uplink-to-downlink rate ratio being 3:1, 2:1, 1:1, 1:2, or 1:3, matching the characteristics of small cell.



In FDD mode, some frequencies must be reserved as the T/R spacing.



In TDD mode, no T/R spacing is required and all V-band frequency can be used

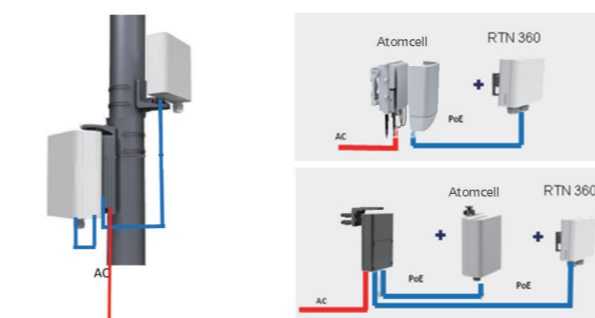
Fast installation, easy maintenance

- Integrated antenna and equipment, eliminating the need for onsite assembly and enabling hardware installation to be finished in less than 15 minutes.
- Telescopic sight for antenna alignment, enabling antennas to be easily aligned within 2 minutes.
- Support USB Key startup, plug and play operation replace the field software debugging, efficiently decrease the engineering cost.
- Wi-Fi maintenance port, allowing Zero touch maintenance, lowering maintenance cost.



Synergy deployment with Huawei AtomCell , great improving delivery efficiency

- Unified site survey, shipment, and installation, improving delivery efficiency.
- One cable connect RTN 360 and Atomcell, same installation auxiliary and tool for them, simplify the installation.
- Default service configuration between RTN 360 and Huawei small cell, plug and play is supported.
- Unified network management system managing RTN 360 and Huawei small cells.



RTN 360 Specifications

| | |
|---------------------------------------|---|
| Operating Frequency Band | 59GHz-64GHz |
| Working Mode | TDD |
| Channel Spacing | 200MHz |
| Modulation Scheme | 16QAM |
| Capacity | 450 Mbit/s, uplink-to-downlink rate ratio: 3:1, 2:1, 1:1, 1:2, 1:3 |
| Service Port | 2 x GE electrical ports |
| Dimensions/Weight | 190 mm x 190 mm x 65 mm/Less than 2.5 kg |
| Power Supply Scheme/Power Consumption | PoE/Less than 20 W |
| Ethernet Service Functions | Support the following service frame formats: Ethernet II, IEEE 802.3, and IEEE 802.1 q/p.; Support E-Line and E-LAN services; Adds, deletes, and switch IEEE 802.1q/p-compliant VLAN tags; Support IEEE 802.3x-compliant flow control; Support IETF RFC 2819-compliant remote network monitoring (RMON). |
| QOS | Classifies traffic passing over an Ethernet port using the following fields: DSCP or IP precedence in an IP packet EXP in an MPLS packet IEEE 802.1p priority in a VLAN packet Support traffic policing in color-blind or color-aware mode as well as CAR; Support the queue scheduling of eight priorities over an Ethernet port. |
| Operating Temperature | -40°C to +55°C |