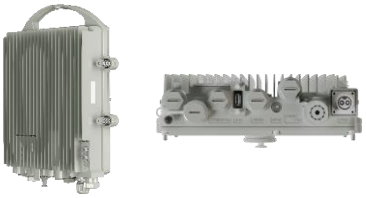
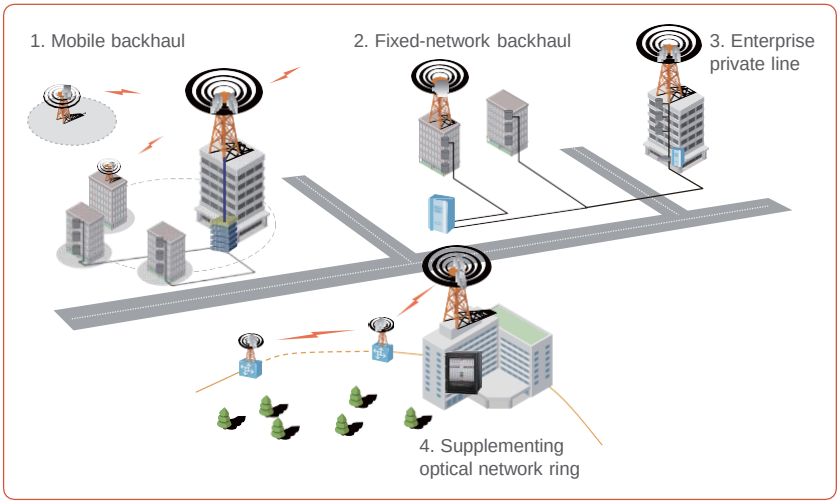
RTN 380AXH



The RTN 380AXH is a full-outdoor microwave transmission device operating in the 71–76 GHz/81–86 GHz frequency band (E-band). It is applicable to mobile communications networks or private networks, and features large capacity, low inter-site interference, and abundant spectrum resources. The RTN 380AXH provides large-capacity microwave backhaul or aggregation links and can also be used to supplement metro Ethernet optical networks.

Application Scenarios

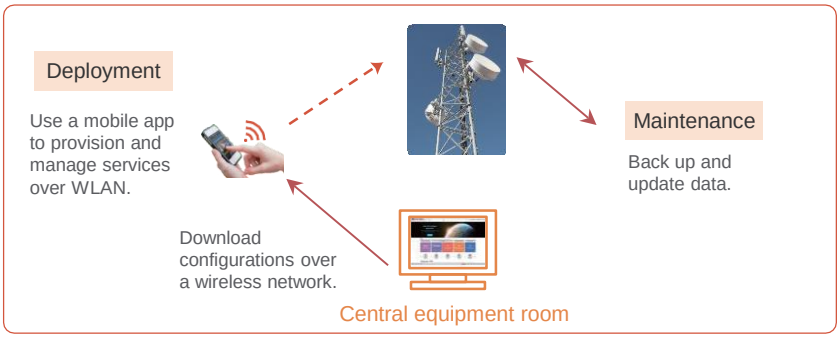


Ultra-high Bandwidth & High Spectral Efficiency

- 10 Gbit/s large capacity: microwave backhaul or aggregation links with 10GE air-interface capacity. With XPIC configured, link capacity per carrier can further be increased to 20 Gbit/s, making large-capacity microwave links available to aggregation sites.
- 10GE port: 10GE SFP optical port or DSFP port for 10GE to site
- Large channel spacing: 62.5 MHz, 125 MHz, 250 MHz, 500 MHz, 750 MHz, 1000 MHz, 1500 MHz, 2000 MHz
- High modulation scheme: up to 1024QAM
- Super Dual Band: through RTN 380AXH working as a slave device with a common-band RTN 900 or working as a master device with an RTN 310/320/380AXH/905 1E/905 2E/third-party device. Super Dual Band implemented in this way provides 10 Gbit/s microwave links with a transmission distance of up to 10 km.
- AMAC: adaptive modulation and adaptive channel spacing for transmission of high-priority services

Easy Deployment & Maintenance

- Small size, light weight, and zero footprint installation for fast deployment and easy maintenance
- NE connection through WLAN for contactless maintenance at sites
- Easy deployment, commissioning, and service configuration via mobile app
- NCE-based E2E management, such as service deployment and real-time performance monitoring



Key Specifications

Microwave Type	• IP microwave over Native Ethernet/PWE3 Ethernet • Microwave carrying 10GE eCPRI
Frequency Band	71–76/81–86 GHz
Channel Spacing	62.5 MHz, 125 MHz, 250 MHz, 500 MHz, 750 MHz, 1000 MHz, 1500 MHz, 2000 MHz
Modulation Scheme	BPSK, QPSK, 8PSK, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM, 1024QAM
Port	Auxiliary port: USB port, RSSI port, NMS port, XPIC port Service port: 1 x COMBO + 2 x 10GE (optical) + 1 x P&E
Capacity	• Maximum air-interface bandwidth: 10 Gbit/s • Maximum air-interface service throughput: 10 Gbit/s • Switching capacity: 60 Gbit/s
RF Configuration	1+0, 2+0, 1+1 HSB, XPIC, multi-direction configuration
Service Type	• Native Ethernet service: E-Line, E-LAN • PW-based Ethernet service: E-Line, E-LAN (VPLS)
NMS	NCE, Web LCT, SNMP, built-in web-based NMS
Ethernet OAM	IEEE 802.1ag, IEEE 802.3ah, ITU-T Y.1731
Key Feature	AMAC, ATPC, ERPS, PLA, QoS/HQoS, bandwidth notification, TWAMP/TWAMP Light, anti-theft, Super Dual Band, L3VPN, eCPRI
Clock Feature	• Clock source: microwave link clock, synchronous Ethernet clock • IEEE 1588v2 time synchronization • ITU-T G.8275.1
Power Supply Mode	DC, P&E
Antenna	• Parabolic antenna: 0.2 m, 0.3 m, 0.6 m • Flat antenna: 0.3 m x 0.3 m • Wide-beam antenna: 0.3 m x 0.077 m • IBT antenna: 0.6 m
Power Consumption	Typical power consumption: 69 W
Dimensions (H x W x D)	320 mm x 265 mm x 83.5 mm
Weight	6.6 kg
Environment	• Temperature: –33° C to +55° C • Humidity: 5% to 100% • IP rating: IP66

*This brochure is based on product specifications of V100R021C10. Refer to the product documentation for actual specifications.