

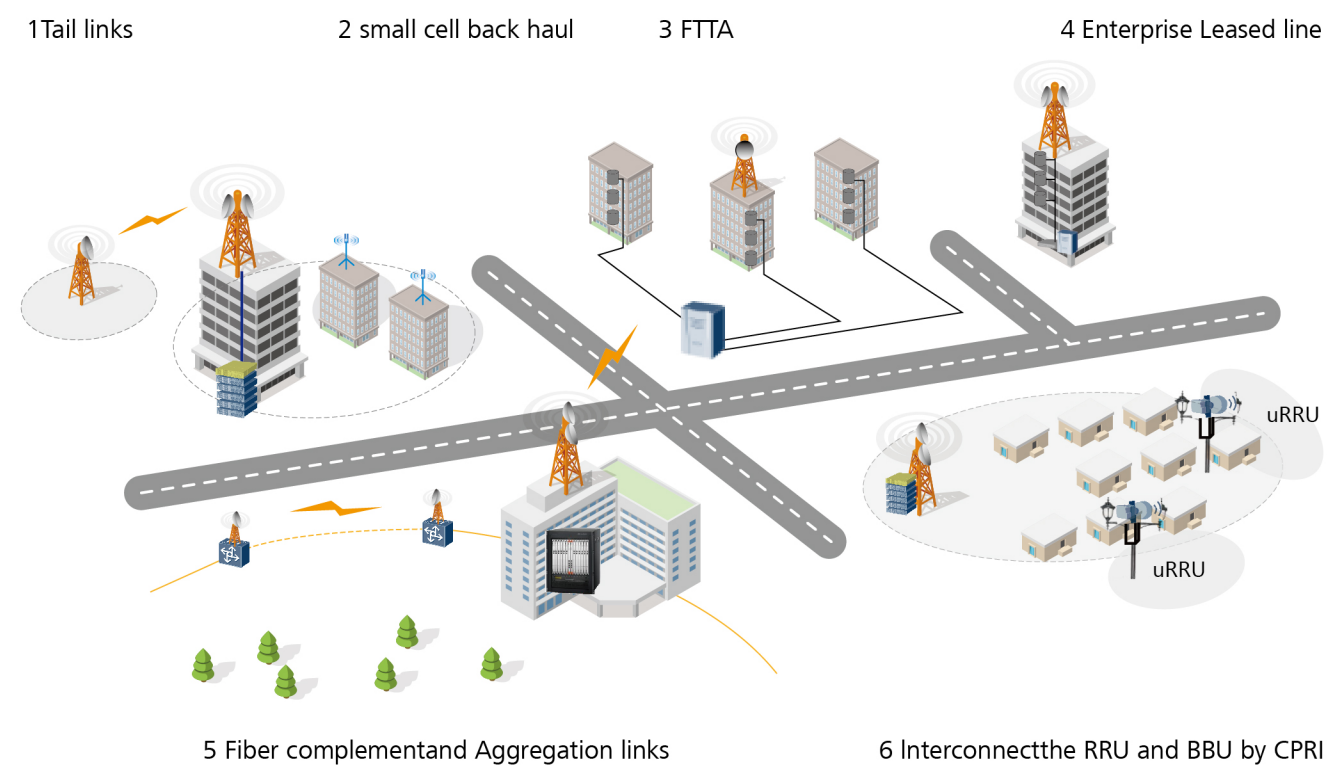


# RTN 380, The Fiber-speed Microwave

## —Huawei E-band MW





### Network Applications



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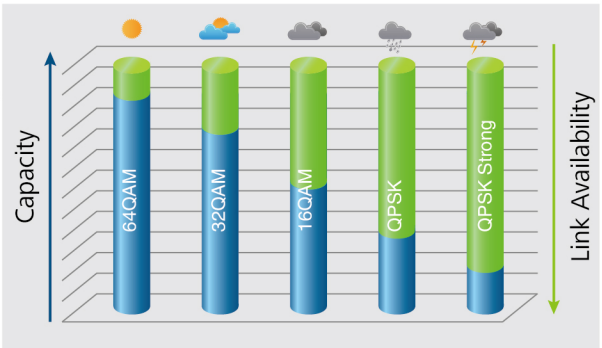
## The 2nd Generation E-band, leading the MW into Ultra-high Capacity era

RTN 380, as 2nd generation E-band MW based on carrier-grade design, offers ultra-high capacity, best-in-class features and performance, satisfying all the required applications and scenarios in optimal way.

RTN380 operating in the band of 71 to 76GHz and 81 to 86GHz, allows a high simplification of the frequency resource utilization, licensing process and very fast deployment. Comparing with the microwave traditional bands, the E-band Products improve interference immunity thanks to a very narrow transmission beam, making it possible a very high density deployment and frequency reutilization.

## Ultra-broadband ,high spectrum efficiency

- Single equipment capacity up to 4Gbps ,ready for continuous network extension
- Support 62.5MHz 125MHz, 250MHz, 500MHz 750MHzchannel bandwidth,
- Support QPSK strong to 64QAM modulation,
- Support adaptive modulation, coding and channel bandwidth (AMAC), ensure high availability.
- Support Ethernet Frame Header compression, flexible PIPE for IP service.

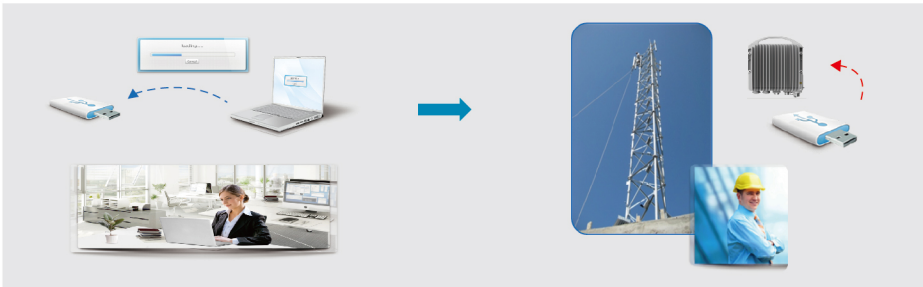


## LTE Oriented

- Support 1.25Gbit/s CPRI and 2.5Gbit/s CPRI
- support Sync Ethernet and IEEE 1588 V2.
- High quality data processing capability:
  - Support E-line and E-LAN services
  - Support 8 Classes of Service, provides a wide range of services, and ensures the quality of high-priority service
  - Abundant OAM features, provide a “SDH-like” OAM experience

## Easy deployment Easy OAM

- Very wide frequency agility in the whole band
- Support USB Key startup, plug-and play operation replace the field software debugging, efficiently decrease the engineering cost
- Coupled with powerful U2000 network management system ,support unique configuration and performance monitoring toolkit TP-Assist ,be able to provide end- to-end service configuration, OAM operation in real-time



USB Key startup

## Technical specifications

Frequency Band	71GHz~76GHz, 81GHz~86GHz,
Channel Spacing (MHz)	62.5MHz ,125MHz ,250MHz ,500MHz, 750MHz
Modulation Mode	QPSK strong, QPSK, 16QAM strong, 16QAM, 32 QAM, 64 QAM
Interface Type	Support GE electronic interfaces, GE optical interfaces Support 1.25G CPRI, 2.5G CPRI
Configuration	1+0, 2+0, 1+1
Ethernet Function	Ethernet II, IEEE 802.3, and IEEE 802.1q/p service frame formats E-Line and E-LAN Ethernet services Adding, deletion, and exchange VLAN tags(IEEE 802.1q/p) Link aggregation group (IEEE 802.3ad LAG ) RMON
QOS	Traffic classification over an Ethernet interface by DSCP or IP priority in an IP packet, EXP in an MPLS packet and IEEE 802.1p priority in a VLAN packet 8 classes for queue scheduling flow control that complies with IEEE 802.3x.