



# Huawei Enterprise Microwave

## Portfolio



### 01 RTN510



#### Unlicensed PMP Microwave

Specification	AP (Access Point)	RT (Remote Terminal)
Frequency band	4910–5970 MHz	
Channel spacing	10   20   40   80 MHz	
Modulation scheme	MCS0–MCS9	
Maximum air-interface capacity	750 Mbps	250 Mbps
Antenna gain	17 dBi	16 dBi
Dimensions (H x W x D)	204 mm x 204 mm x 65 mm	241 mm x 168 mm x 52 mm
Ethernet service port	1*GE(o), 1*GE(e), 1*GE (PoE)	1*GE (PoE)
Weight	2.7 kg	1.8 kg
Power supply	AC/DC (with extra Power Injector) Power over Ethernet	
Surge protection	6 kV	10 kV
Dying gasp	Supported	
Network management tool	Web LCT/mobile app/eSight/U2000	
Protection class	IP67	
Operating temperature	–40 C to +60 C	
Anti-salt spray corrosion	Complies with the IEC 60068- 2-11 standard (four weeks of salt spray corrosion test) and applies to seaside scenarios.	
Key feature	Adaptive modulation (AM), dynamic frequency selection (DFS), GPS synchronization, VLAN, QinQ, QoS, AES-256 encryption, whitelist, RADIUS authentication	

### 02 RTN 905 2E



#### IP Microwave IDU

Application	Access layer
Dimensions (H x W x D)	44 mm x 442 mm x 220 mm
Height	1U
Number of directions	2
Frequency band	6 - 42 GHz
Channel spacing	3.5/7/14/28/40/56 MHz
Highest modulation scheme	2048QAM
Maximum air-interface capacity	504–636 Mbit/s (per carrier)
Switching capacity	8 Gbit/s
Cross-connect capacity	8 x 8 VC-4
Port type	E1, STM- 1(o/e), FE(o/e), GE(o/e), 2.5GE(o)
RF configuration mode	2 x (1+0), 2+0, 1+1 HSB/FD/SD, XPIC
Service type	TDM, IP
Key feature	1+1 HSB/FD/SD, XPIC, AM, PWE3/MPLS, PLA/EPLA, 1588v2, SDB, Anti-theft

#### IP Microwave IDU

Application	Access/Aggregation layer
Dimensions (H x W x D)	88 mm x 442 mm x 220 mm
Height	2U
Number of directions	10
Frequency band	6 - 42 GHz
Channel spacing	3.5/7/14/28/40/56/112 MHz
Highest modulation scheme	4096QAM
Maximum air-interface capacity	1018–1283 Mbit/s (per carrier)
Switching capacity	10 Gbit/s
Cross-connect capacity	32 x 32 VC-4
Service port type	E1, T1, STM-1(o/e), FE(o/e), GE(o/e), 2.5GE(o), 10GE(o)
RF configuration mode	N+0 (N ≤ 10), N x (1+0) (N ≤ 10), 1+1 HSB/SD/FD, N+1 (N ≤ 7), XPIC
Service type	TDM, IP
Key feature	1+1 HSB/FD/SD, XPIC, PLA/EPLA/EPLA+, AM, PWE3/MPLS, SDB, N+1, 1588v2, AES-256 encryption, Anti-theft



### 03 RTN 950A

### 04 RTN 950



#### IP Microwave IDU

Application	Access/aggregation layers
Dimensions (H x W x D)	88 mm x 442 mm x 220 mm
Height	2U
Number of directions	8
Frequency band	6 - 42 GHz
Channel spacing	3.5/7/14/28/40/56/112 MHz
Highest modulation scheme	4096QAM
Maximum air-interface capacity	1018–1283 Mbit/s (per carrier)
Switching capacity	10 Gbit/s
Cross-connect capacity	32 x 32 VC-4
Port type	E1, STM- 1(o/e), FE(o/e), GE(o/e), 2.5GE(o), 10GE(o)
RF configuration mode	N+0 (N ≤ 8), N x (1+0) (N ≤ 8), 1+1 HSB/FD/SD, N+1 (N ≤ 7), XPIC
Service type	TDM, IP
Key feature	1+1 HSB/FD/SD, XPIC, PLA/EPLA/EPLA+, AM, N+1, PWE3/MPLS, SDB, 1588v2, AES-256 encryption, Anti-theft

## IP Longhaul Microwave

Product positioning	IP Longhaul Microwave
Component	IDU, BU, RFU
Number of channels	14
Frequency band	5/L6/U6/7/8/11 GHz
Channel spacing	28/40/56 MHz
Highest modulation scheme	1024QAM
Maximum air-interface capacity	440 -558 Mbit/s (per carrier)
Switching capacity	43 Gbit/s (CSHL) 120 Gbit/s (CSHLU)
Cross-connect capacity	128 x 128 VC-4
Service port type	E1, STM-1(o/e), STM-4(o), FE(o/e), 2.5 GE(o), GE(o/e), 10GE(o)
RF configuration mode	N+0 (N≤14) N+1 (N≤11) 1+1 FD XPIC
IF service type	TDM, IP
Key feature	1+1 FD, XPIC, PLA/EPLA/EPLA+, AM, SD and IF combination, PWE3/MPLS, N+1, AES-256 encryption, Anti-theft



## 05 RTN 980L

## 06 RTN 320



### Full-outdoor IP Microwave

Dimensions (H x W x D)	7-11 GHz: 260 mm x 210 mm x 106 mm 13-38 GHz: 260 mm x 210 mm x 101 mm
Number of directions	2
Frequency band	6 - 42 GHz
Channel spacing	ETSI: 7/14/28/40/56/112 MHz FCC: 30/40/50 MHz
Highest modulation scheme	4096QAM
Maximum air-interface capacity	2.4 Gbit/s
Switching capacity	8 Gbit/s
RF configuration mode	N+0 (N ≤ 4) (When N > 2, NEs must be cascaded.) 1+1 HSB/FD/SD XPIC MIMO Multi-direction site
Port type	FE(o/e), GE(o/e), 2.5GE(o)
Service type	Native ETH, PWE3 ETH
Power supply	DC power Power over Ethernet (with the RTN B20 PI)
ODU	The integrated ODU supports the 7-38 GHz frequency band. The extended ODU can be the RTN XMC-2/2H/3 series ODU that supports the 6-42 GHz frequency band.
Key feature	AM, 1+1 HSB/FD/SD, XPIC, ATPC, PLA/EPLA, SDB, AES-256 encryption, Anti-theft

## 07 RTN 380



### E-band Microwave

Dimensions (H x W x D)	265 mm x 265 mm x 65 mm
Number of directions	1
Frequency band	71 - 76 GHz, 81 - 86 GHz
Channel spacing	62.5/125/250/500/750 MHz
Highest modulation scheme	64QAM
Maximum air-interface capacity	4 Gbit/s
Switching capacity	8 Gbit/s
RF configuration mode	1+0, 2+0, 1+1 HSB, CCDP Multi-direction configuration
Port type	FE(o/e), GE(o/e), 2.5GE(o)
Service type	Native ETH, PWE3 ETH
Power supply	Power over Ethernet
Antenna	Dish antenna Wide-beam antenna Panel antenna
Key feature	AMAC, 1+1 HSB, ATPC, PLA, SDB, Anti-theft

## 10G E-band Microwave

Dimensions (H x W x D)	320 mm x 265 mm x 95 mm
Number of directions	1
Frequency band	71 - 76, 81 - 86 GHz
Channel spacing	62.5/125/250 /500/750/1000/1500/2000 MHz
Highest modulation scheme	1024QAM
Maximum air-interface capacity	10 Gbit/s
Switching capacity	42 Gbit/s
RF configuration mode	1+0, 2+0, 1+1 HSB, XPIC, CCDP Multi-direction mode
Port type	FE(e),GE(o/e), 2.5GE(o), 10GE(o)
Service type	Native ETH, PWE3 ETH
Power supply	Power over Ethernet (with the RTN B20 PI)
Antenna	Dish antenna Wide-beam antenna Panel antenna
Key feature	AMAC, 1+1 HSB, XPIC, ATPC, PLA, SDB, Anti-theft



## 08 RTN 380H

Huawei 3DLive+



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