

Huawei Microwave

Portfolio



HUAWEI

| Enterprise Network



01

RTN 905e

IDU

Dimensions (H x W x D)	44 mm x 442 mm x 220 mm
Height	1U
Number of directions	2
Frequency band	6 to 38 GHz
Channel spacing	3.5/7/14/28/40/50/56 MHz
Highest modulation scheme	2048 QAM
Maximum air-interface capacity	504 to 636 Mbit/s (per carrier)
Switching capacity	8 Gbit/s
Cross-connect capacity	8x8 VC-4
Service port type	E1, STM-1(e/o), FE(e/o), GE(e/o)
Product positioning	Access layer
RF configuration mode	2x(1+0), 2+0, 1+1, XPIC
IF service type	Integrated IP, SDH
Key feature	1+1, XPIC, AM, TDM, PWE3/MPLS, PLA, Anti-theft

Dimensions (H x W x D)	88 mm × 442 mm × 220 mm
Height	2U
Number of directions	10
Frequency band	6 to 42 GHz
Channel spacing	3.5/7/14/28/40/56/112 MHz
Highest modulation scheme	4096 QAM
Maximum air-interface capacity	835 to 1058 Mbit/s (per carrier)
Switching capacity	10 Gbit/s
Cross-connect capacity	32×32 VC-4
Service port type	E1, STM-1(e/o), FE(e/o), GE(e/o), 10GE(o)
Product positioning	Access/Aggregation layer
RF configuration mode	N+0 (N≤10) N x (1+0) (N≤10) 1+1 N+1 (N≤7), XPIC
IF service type	Integrated IP, SDH
Key feature	1+1, XPIC, PLA/EPLA/EPLA+, AM, TDM, PWE3/MPLS, SDB, N+1, 1588v2, AES-256 encryption, Anti-theft



02

RTN 950A

03

RTN 980



IDU

Dimensions (H x W x D)	225 mm x 442 mm x 220 mm
Height	5U
Number of directions	20
Frequency band	6 to 42 GHz
Channel spacing	3.5/7/14/28/40/56/112 MHz
Highest modulation scheme	4096 QAM
Maximum air-interface capacity	835 to 1058 Mbit/s (per carrier)
Switching capacity	22 Gbit/s (CSHN), 43 Gbit/s (CSHNA) 120 Gbit/s (CSHNU)
Cross-connect capacity	128x128 VC-4
Service port type	E1, STM-1(e/o), STM-4(o), FE(e/o), GE(e/o), 10GE(o)
Product positioning	Access/Aggregation layer
RF configuration mode	N+0 (N≤20) N x (1+0) (N≤20) N+1 (N≤7), XPIC
IF service type	Integrated IP, SDH, PDH
Key feature	1+1, XPIC, PLA/EPLA, AM, TDM, PWE3/MPLS, SDB, N+1, 1588v2, AES-256 encryption, Anti-theft

Equipment	IDU, BU, RFU
Waveguide configuration mode	ACCP/ACAP/CCDP
Number of channels	16
Frequency band	5/L6/U6/7/8/11 GHz
Channel spacing	28/40/56 MHz
Highest modulation scheme	1024QAM
Maximum air-interface capacity	440 to 558 Mbit/s (per carrier)
Switching capacity	43 Gbit/s (CSHNA) , 120 Gbit/s (CSHNU)
Cross-connect capacity	128×128 VC-4
Service port type	E1, STM-1(e/o), STM-4(o), FE(e/o), GE(e/o), 10GE(o)
RF configuration mode	N+0 (N≤16) N+1 (N≤11) 1+1 FD, XPIC
IF service type	Integrated IP, SDH
Key feature	1+1, XPIC, PLA/EPLA, AM, TDM, PWE3/MPLS, N+1, Anti-theft, space diversity and IF combination, AES-256 encryption



04

RTN 980L

05

RTN 310



Full-outdoor

Dimensions (H x W x D)	7-11 GHz: 210 mm x 210 mm x 92.7 mm 13-38 GHz: 210 mm x 210 mm x 90 mm
Number of directions	1
Frequency band	7 to 38 GHz
Channel spacing	7/14/28/40/56 MHz
Highest modulation scheme	2048 QAM
Maximum service throughput at air interfaces	1.5 Gbit/s
Switching capacity	8 Gbit/s
RF configuration mode	1+0, 2+0 1+1, XPIC Multi-direction site
Service port type	FE (o), GE (o/e)
Service type	Native ETH, PWE3 ETH
Key feature	AM, 1+1, XPIC, ATPC, PLA, AES-256 encryption, Anti-theft

10G E-band full-outdoor

Dimensions (H x W x D)	320 mm × 265 mm × 95 mm
Number of directions	1
Frequency band	71 to 76, 81 to 86 GHz
Channel spacing	250/500/750/1000/1500/2000 MHz
Highest modulation scheme	256 QAM
Maximum service throughput at air interfaces	10 Gbit/s
Switching capacity	40 Gbit/s
RF configuration mode	1+0, 2+0, 1+1 HSB, Multi-direction mode
Service port type	10GE (o), GE (o/e)
Service type	Native ETH
Key feature	AM, 1+1, ATPC, SDB, PLA, Anti-theft



06
RTN 380H

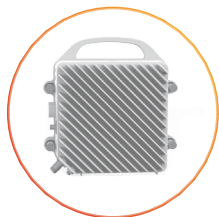
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RTN 380e

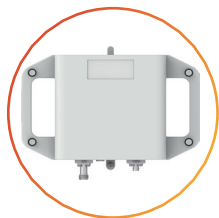


E-band full-outdoor

Dimensions (H x W x D)	265 mm × 265 mm × 65 mm
Number of directions	1
Frequency band	71 to 76 GHz, 81 to 86 GHz
Channel spacing	62.5/125/250/500 MHz
Highest modulation scheme	64 QAM
Maximum service throughput at air interfaces	3.1 Gbit/s
Switching capacity	8 Gbit/s
RF configuration mode	1+0, 2+0, 1+1 HSB, Multi-direction Mode
Service port type	GE (o/e)
Service type	Native ETH, PWE3 ETH
Key feature	AMAC, 1+1, ATPC, PLA, Anti-theft



ODU	XMC-2H
Dimensions (H x W x D)	228mm×228mm×91mm
Frequency band	L6/U6/7/8/11 GHz
Channel spacing	7/14/28/40/56 MHz
Highest modulation scheme	2048 QAM
Rated maximum transmit power	30.5 dBm
Rated minimum transmit power	5 dBm
Rated maximum receive power	-20 (QPSK) dBm
Frequency stability	±5 ppm



ODU	XMC-3
Dimensions (H x W x D)	<195mm×195mm×43.5mm
Frequency band	7 to 38 GHz
Channel spacing	3.5/7/14/28/40/56/112 MHz
Highest modulation scheme	4096 QAM
Rated maximum transmit power	30 (@6GHz/QPSK) dBm
Rated minimum transmit power	-10 (@32GHz) dBm
Rated maximum receive power	-20 (QPSK) dBm
Frequency stability	±5 ppm




ODU	XMC-3W
Dimensions (H x W x D)	<195mm×195mm×70mm
Frequency band	7/8/15/23 GHz
Channel spacing	3.5/7/14/28/40/56 MHz
Highest modulation scheme	4096 QAM
Rated maximum transmit power	29 (@6GHz/QPSK) dBm
Rated minimum transmit power	5(@32GHz) dBm
Rated maximum receive power	-20 (QPSK) dBm
Frequency stability	±5 ppm

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