

Huawei RTN 320F VS. RTN 380 VS. RTN 380H VS. 380A VS. RTN380 AX

Appearance						
Product name	RTN 320F	RTN 380	RTN 380H	RTN 380A	RTN 380AX (P&E option)	RTN 380AX (P&E + DC option)
Main feature						
N+1 protection	N	N	N	N	N	N
SD and IF combination	N	N	N	N	N	N
CA	N	N	N	N	N	N
MIMO	N	N	N	N	N	N
LH	N	N	N	N	N	N
1+1	Y	Y	Y	Y	Y	Y
XPIC	Y	N	Y	N	Y	Y
PLA	Y	Y	Y	Y	Y	Y
EPLA	Y	N	N	N	N	N
EPLA+	N	N	N	N	N	N
AM	Y	Y	Y	Y	Y	Y
TDM	N	N	N	N	N	N
PWE3/MPLS	Y	Y	Y	Y	Y	Y
L3VPN	N	N	N	N	Y	Y

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SDB	N	Y	Y	Y	Y	Y
Microwave						
Microwave type	IP microwave	IP microwave	IP microwave	IP microwave	IP microwave	IP microwave
RF configuration mode	N+0 (N ≤ 4) (NE cascading required in the case of N>2) 1+1 HSB/FD/SD XPIC Multi-directional site configuration	N+0 (N ≤ 2) 1+1 HSB CCDP configuration Multi-directional configuration	N+0 (N ≤ 2) 1+1 HSB XPIC CCDP configuration Multi-directional configuration	N+0 (N ≤ 2) 1+1 HSB CCDP configuration Multi-directional configuration	N+0 (N ≤ 2) 1+1 HSB XPIC Multi-directional configuration	N+0 (N ≤ 2) 1+1 HSB XPIC Multi-directional configuration
Number of directions	2	1	1	1	1	1
Frequency band	6 GHz 7 GHz 8 GHz 10 GHz 10.5 GHz 11 GHz 13 GHz 15 GHz 18 GHz 23 GHz 26 GHz 28 GHz 32 GHz 38 GHz 42 GHz	71-76/81-86 GHz	71-76/81-86 GHz	71-76/81-86 GHz	71-76/81-86 GHz	71-76/81-86 GHz

Product name	<u>RTN 320F</u>	<u>RTN 380</u>	<u>RTN 380H</u>	<u>RTN 380A</u>	<u>RTN 380AX (P&E option)</u>	<u>RTN 380AX (P&E + DC option)</u>
Channel spacing	7 MHz 14 MHz 28 MHz 30 MHz 40 MHz 50 MHz 56 MHz 112 MHz	62.5 MHz 125 MHz 250 MHz 500 MHz 750 MHz	62.5 MHz 125 MHz 250 MHz 500 MHz 750 MHz 1 GHz 1.5 GHz 2 GHz	62.5 MHz 125 MHz 250 MHz 500 MHz 750 MHz 1 GHz	62.5 MHz 125 MHz 250 MHz 500 MHz 750 MHz 1 GHz 1.5 GHz 2 GHz	62.5 MHz 125 MHz 250 MHz 500 MHz 750 MHz 1 GHz 1.5 GHz 2 GHz
Modulation scheme	QPSK Strong QPSK 16QAM Strong 16QAM 32QAM 64QAM 128QAM 256QAM 512QAM 512QAM Light 1024QAM 1024QAM Light 2048QAM 4096QAM 8192QAM	QPSK Strong QPSK 16QAM Strong 16QAM 32QAM 64QAM	BPSK QPSK 8PSK 16QAM Strong 16QAM 32QAM 64QAM 128QAM 256QAM 512QAM 1024QAM	BPSK QPSK 8PSK 16QAM 32QAM 64QAM 128QAM 256QAM 512QAM	BPSK QPSK 8PSK 16QAM 32QAM 64QAM 128QAM 256QAM 512QAM 1024QAM	BPSK QPSK 8PSK 16QAM 32QAM 64QAM 128QAM 256QAM 512QAM 1024QAM
Maximum air interface capacity (Mbit/s)	5000	4000	10000	7600	10000	10000
Basic function						
Product positioning	Access layer	Access/Aggregation layer	Access/Aggregation layer	Access/Aggregation layer	Access/Aggregation layer	Access/Aggregation layer
Product type	Split	Integrated	Integrated	Integrated	Integrated	Integrated
Dimensions (H x W x D)	300 mm x 60 mm x 220 mm	265 mm x 65 mm x 265 mm	265 mm x 95 mm x 320 mm	265 mm x 73 mm x 285 mm	265 mm x 73 mm x 285 mm	265 mm x 73.5 mm x 320 mm

Product name	RTN 320F	RTN 380	RTN 380H	RTN 380A	RTN 380AX (P&E option)	RTN 380AX (P&E + DC option)
Number of service slots	0	0	0	0	0	0
Service port type	FE optical port GE optical/electrical port 10GE optical port	GE optical/electrical port 2.5GE optical port CPRI optical port	GE optical/electrical port 2.5GE optical port 10GE optical port CPRI/OBSAI optical port	FE optical port GE optical/electrical port 2.5GE optical port 10GE optical port	FE optical port GE optical/electrical port 2.5GE optical port 10GE optical port	FE optical port GE optical/electrical port 2.5GE optical port 10GE optical port
Power supply mode	DC power supply	Power over Ethernet	Power over Ethernet DC power supply	Power over Ethernet	Power over Ethernet	Power over Ethernet DC power supply

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