





| 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)<br>120 Gbit/s (CSHLU)                                                                        |
| Cross-connect capacity         | 128 x 128 VC-4                                                                                                |
| Service port type              | E1, STM-1(o/e), STM-4(o),<br>FE(o/e), 2.5 GE(o), GE(o/e), 10GE(o)                                             |
| RF configuration mode          | N+0 (N≤14)<br>N+1 (N≤11)<br>1+1 FD<br>XPIC                                                                    |
| IF service type                | TDM, IP                                                                                                       |
| Key feature                    | 1+1 FD, XPIC, PLA/EPLA/EPLA+, AM,<br>SD and IF combination, PWE3/MPLS, N+1,<br>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<br>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<br>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.)<br>1+1 HSB/FD/SD<br>XPIC<br>MIMO<br>Multi-direction site                                                     |
| Port type                      | FE(o/e), GE(o/e), 2.5GE(o)                                                                                                                                   |
| Service type                   | Native ETH, PWE3 ETH                                                                                                                                         |
| Power supply                   | DC power<br>Power over Ethernet (with the RTN B20 PI)                                                                                                        |
| ODU                            | The integrated ODU supports the 7–38 GHz frequency band.<br>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 × 265 mm × 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<br>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<br>Wide-beam antenna<br>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 × 265 mm × 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<br>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<br>Wide-beam antenna<br>Panel antenna    |
| Key feature                    | AMAC, 1+1 HSB, XPIC, ATPC, PLA, SDB, Anti-theft       |



08  
RTN 380H

Huawei 3DLive+



Experience more documents

<http://e.huawei.com/go/trans-en>  
[ican@huawei.com](mailto:ican@huawei.com)

