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RTN 380AX-G

Microwave Transmission Equipment

Datasheet



■ Product Overview

The RTN 380AX-G is a full-outdoor microwave transmission device operating at 71 GHz–76 GHz or 81 GHz–86 GHz frequency bands (E-band). The RTN 380AX-G is applicable to mobile communications networks or dedicated networks. It features large capacity, low inter-site interference, and rich spectrum resources. It provides large-capacity microwave backhaul or aggregation links and can be used as a supplement to metro optical networks.



Product Specifications

Specifications		
Microwave Type	IP microwave over Native Ethernet/PWE3 Ethernet Microwave carrying 10GE eCPRI	
Frequency Band	71GHz-76GHz /81GHz-86 GHz	
Channel Spacing	62.5 MHz, 125 MHz, 250 MHz, 500 MHz, 750 MHz, 1000 MHz, 1500 MHz, 2000 MHz	
Modulation Scheme	BPSK, QPSK, 8PSK, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM, 1024QAM	
Port Type	Auxiliary port	USB Port, RSSI port, NMS port, XPIC port
	Service port	1*COMBO+1*10GE (o)+1*P&E
Capacity	Maximum air-interface bandwidth: 10Gbps Maximum air-interface throughput: 10Gbps Switching Capacity: 60Gbps	
RF Configuration	Supports 1+0, 2+0, 1+1 HSB, XPIC, and multi-direction configuration.	
Service Type	Native Ethernet services: E-Line, E-LAN PW-based Ethernet services: E-Line, E-LAN (VPLS)	
NMS	NCE, Web LCT, SNMP, built-in web-based NMS	
Ethernet OAM	IEEE 802.1ag, IEEE 802.3ah, ITU-T Y.1731	
Key Features	AMAC, ATPC, ERPS, PLA, QoS/HQoS, Bandwidth Notification, TWAMP/TWAMP Light, Anti-theft, Super Dual Band, L3VPN, eCPRI	
Clock Features	Supported clock sources: microwave link clock, synchronous Ethernet clock IEEE 1588v2 time synchronization ITU-T G.8275.1 time synchronization	
Power Supply Mode	DC Power Supply and P&E Power Supply (Mutual Backup)	
Antenna	Dish antenna: 0.2m, 0.3m, 0.6m Panel Antenna: 0.3m × 0.3 m Wide-beam Antenna: 0.3m × 0.077m IBT antenna: 0.6m	
Power Consumption	Typical Power Consumption: 49 W Maximum Value of Power Consumption: 79 W	
Dimensions (H × W × D)	320 mm × 265 mm × 73.5 mm	
Weight	5kg	
Environment	Temperature: -33°C to +55°C Humidity: 5% to 100% Protection class: IP66	



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