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GLORY

Optix RTN 950A-G

Microwave Transmission Equipment

Datasheet



■ Product Overview

The OptiX RTN 950A-G is a new generation integrated microwave transmission system, which can be installed easily and configured flexibly. It supports the convergence of up to 12 radio links, and supports multiple protection schemes. The OptiX RTN 950A-G provides a generic platform for TDM/Hybrid/Packet/Routing microwave transmission. The platform provides various service interfaces, large bandwidth, and easy scalability. It provides a seamless microwave transmission solution for mobile communication networks or private networks.



Product Specifications

Specifications	
Network Layer	Access and Aggregation layer
Frequency	6 to 42 GHz
Channel Spacing	3.5/7/14/28/40/56/112 MHz
Modulation Mode	QPSK Strong, QPSK, 16QAM Strong, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM, 512QAM Light, 1024QAM, 1024QAM Light, 2048QAM, 4096QAM
RF Direction	12
Air-Interface Capacity	1166 to 2500 Mbit/s per carrier (none-XPIC)
Switching Capacity	<ul style="list-style-type: none"> · 90 Gbit/s(CSHOF) · 10 Gbit/s(CSHO)
TDM Crossing	32×32 VC-4
Interface Type	E1, T1, STM 1 (e/o), FE (e/o), GE (e/o), 2.5 GE (o), 10 GE (o)
RF Configuration Mode	<ul style="list-style-type: none"> · N+0 · Nx(1+0) · 1+1 · N+1 <ul style="list-style-type: none"> · XPIC · 2×2 CA · 4×4 MIMO
Ethernet Function	<ul style="list-style-type: none"> · Ethernet LL, IEEE 802.3, and IEEE 802.1q/p service format adding or deleting, and exchange VLAN tags (IEEE 802.1q/p) · ISIS, OSPF, BGP, RSVP, LDP · Flow control (IEEE 802.3x) · Link aggregation groups (IEEE 802.3ad LAG and L1 LAG) · RMON (IETF RFC 2819)
Service Type	<ul style="list-style-type: none"> · Native Ethernet services: E-Line service and E-LAN service · PW-carried Ethernet services: E-Line service, E-AGGR service, and E-LAN (VPLS) service (VPLS standing for virtual private LAN) · L3VPN, L2VPN (VLL), CES, MCE
Key Feature	CES E1, IEEE 1588v2, USB startup, H-QOS, PLA/EPLA/EPLA+, AES-256 encryption, Anti-theft, 1+1, N+1, XPIC, AM, TDM, PWE3/MPLS, SDB, L3VPN, CA, MIMO
IDU Weight	<ul style="list-style-type: none"> · 5.4kg(1+0) · 6.2kg(1+1)
IDU Dimensions	442 mm × 220 mm × 88 mm
Environment	<ul style="list-style-type: none"> · Temperature: IDU -5°C to +60°C; ODU -33°C to +55°C · Humidity: IDU 5% to 95%; ODU 5% to 100%
Power	-38.4V to -57.6V
Typical Power Consumption (IDU+ODU)	<ul style="list-style-type: none"> · 125 W(1+0, ISM6) · 228 W(1+1, ISM6)
Certificate	CE, RCM, FCC, IC, ETL, MCMC

■ Full Range of Enterprise Wireless Models

Enterprise Wireless	Microwave	Model	9XX-G series	
		RTN950-G	RTN 950-G Basic configuration unit Dual Main control (CSHLF)+2*10GE/2.5GE/GE/(SFP+/SFP) Includes IDU installation materials	
		RTN950A-G	RTN 950A-G Basic configuration unit 4*GE(RJ45)+2*10GE(SFP+)+16*E1+2*GE/STM-1(SFP) Contains IDU installation materials	
		RTN910A-G	RTN 910A-G Basal Configuration 2*GE(RJ45)+4*10GE(SFP+)+16*E1+2*IF IDUUnit(-48VDC) Include IDU Installation Materials	
		RTN905F-G	OptiX RTN 905F-G Basic configuration unit 4*GE(RJ45)+2*GE(SFP)+4*10GE(SFP+)+2*STM-1(SFP)+16*E1+2 IF unit IDU module (-48VDC)-2F Contains IDU installation materials	
		Model	300-G series	
		RTN320F-G	OptiX RTN 320-G 2*GE(RJ45)+2*10GE(SFP+)+2*IF OAU2FUnit(-48VDC)	
		RTN380AX-G	RTN 380AX-G Low&High site(DC+P&E option, with 1000Mbps capacity, 250MHz channel space and 1GE interface)	
		Model	69XX-G Series	
		RTN6900-G	Assembly Chassis,RTN 6900-G,MD11CASE, supports long and short range, E-band and N-band	
		Base Station	Model	5 Series BBU-G
			BBU5900-G	Functional Module, BBU5900-G, Indoor type, Distributed Base Station BasebandUnit (-48V)
	BBU5900A-G		Function Module, BBU5900A-G, Outdoor type, Distributed Base Station BasebandUnit (-48V)	
	Model		5 Series RRU-G	
	RRU5301-G		RRU5301 - G, WD5MLRUMG70, WUYI, TX2620-2690 MHZ/RX2500-2570 MHZ, - 48 VDC, 9.8 G, 4 t4r, 4 *40 w	
	RRU5901-G		RRU5901 - G, WD5MQRUDG10, TIANSHAN, TX2110-2170 MHZ/RX1920-1980 MHZ, - 48 VDC, 9.8 G, 4 t4r, 4 *40 w	
	RRU5905W-G		Function module -RRU5905w-G-WD5MERULG32-WUYI(TX1805-1880MHZ/RX1710-1785MHZ,-48VDC,9.8G,2T2R,2*80W)	
	RRU5909-G		RRU5909 - G, WD5MJRULC8Z, WUYI, TX925-960 MHZ/RX880-915 MHZ, - 48 VDC, 9.8 G, 2 t2r, 2 *60 w	
	RRU5904-G		RRU5904 - G, WD5MWRUMH10, WUYI, TX2110-2170 MHZ/RX1920-1980 MHZ, - 48 VDC, 9.8 G, 4 t4r, 4 *60 w	
	RRU5501-G		Function modules - RRU551-G-WD5mzaaphaad-Wuyi (TX1805-1880MHZ/RX1710-1785MHZ, TX2110-2170MHZ/RX1920-1980MHZ,-48VDC,9.8G,4T4R*2,4*60W)	
	RRU5502-G		RRU5502 - G, WD5MZAAPAAAD, WUYI, TX1805-1880 MHZ/RX1710-1785 MHZ, TX2110-2170 MHZ/RX1920-1980 MHZ, - 48 VDC, 9.8 G, 4 t4r *2, 4 *80 w	
	RRU5904W-G	RRU5904w - G, WD5MERUMH30B, WUYI, TX1805-1880 MHZ/RX1710-1785 MHZ, - 48 VDC, 9.8 G, 4 t4r, 4 *60 w		
	RRU5905-G	RRU5905 - G, WD5MJRULG8Z, WUYI, TX925-960 MHZ/RX880-915 MHZ, - 48 VDC, 9.8 G, 2 t2r, 2 *80 w		
RRU5818-G	RRU5818-G 2.3G,WD5MRRUSL80B,Multi-mode Multi-carriers Remote RadioUnit(TX:2300-2400MHZ/RX:2300-2400MHZ,-48VDC,25G,8T8R, With Installation Kit)			
RRU5509t-G	Function module - RRU5509t-G-WD5MYAAJICI-WUYI(TX758-788MHZ/RX703-733MHZ, TX791-821MHZ/RX832-862MHZ, TX925-960 MHZ/RX880-915 MHZ, t4r - 48 VDC, 9.8 G, 2 *3, 2 *140 w)			
RRU5919-G	RRU5919 - G, WD5MQRUSCK0C TX791-821 MHZ/RX832-862 MHZ, - 48 VDC, 9.8 G, 2 t2r, 2 *60 w			



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