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OptiX RTN 950-G

Data Sheet

OptiX RTN 950-G is a new generation all-in-one IP microwave transmission system with flexible configuration and easy installation. OptiX RTN 950-G supports 10 microwave links and a variety of protection modes. It USES TDM/Hybrid/Packet/Routing four die integrated platform design, offers a variety of business interface, with large bandwidth, the characteristics of easy expansion. OptiX RTN 950-G microwave is used for Hub site multi-service aggregation or large bandwidth service backhaul scenarios.

Highlights

Supports the 6-42 GHz band

- Support 6-42 GHz band and 3.5-112 MHz channel interval, 8192QAM ultra-high modulation mode.

Multiple interfaces

- Support multiple interfaces (E1/SDH/FE/GE/2.5GE/10GE) and maximum 120 Gbps switching capacity.

Maximum 2.5Gbps Air Interface Throughput

- Single carrier supports up to 2.5Gbps airport throughput and provides SDB dual-band microwave solutions.

Technical Specifications

Network layer	Access and aggregation layers
Frequency	6 ~ 42 GHz
Channel spacing	3.5/7/14/28/40/56/112 MHz 14MHz_ACCP/28MHz_ACCP/56MHz_ACCP/112MHz_ACCP
Modulation mode	QPSK Strong, QPSK, 16QAM Strong, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM, 512QAM Light, 1024QAM, 1024QAM Light, 2048QAM, 4096QAM, 8192QAM
Rf direction	10
Air port capacity	Single carrier 1166 ~ 2500 Mbit/s (non-XPIC)
Switching capacity	120 Gbit/s (CSHUF), 10 Gbit/s (CSHU/CSHUA)
TDM cross capacity	32×32 VC-4
Interface type	E1, STM-1 (e/o), FE (e/o), GE (e/o), 2.5GE (o), 10GE (o)
Rf configuration mode	N+0, N× (1+0), 1+1, N+1, XPIC, 2 × 2 CA, 4 × 4 MIMO
Functions	Ethernet II, IEEE 802.3 and IEEE 802.1q/p field add/remove and VLAN tag (IEEE 802.1q/p) exchange, ISIS, OSPF, BGP, RSVP, LDP, flow control support (IEEE 802.3x), Link aggregation group support (IEEE 802.3ad LAG and L1 LAG), RMON (IETF RFC 2819)
Service type	Native ETH business: E-Line business and E-LAN business PW based Native ETH services: E-Line service, Ethernet aggregation service, E-LAN Private Network Service (VPLS, which stands for Virtual Private Network service) L3VPN, L2VPN (VLL), CES, MCE
Key features	CES E1, IEEE 1588v2, H-QoS, PLA/EPLA, AES-256 encryption, device anti-theft, 1+1, N+1, XPIC, AM, TDM, PWE3/MPLS, SDB, L3VPN, CA, MIMO
IDU weight	5.4 kg (1+0), 6.2 kg (1+1)
IDU Specifications	442 mm × 220 mm × 88 mm
Electrical source	-38.4V to -72 V
Typical power consumption (IDU+ODU)	245 W (4+0, ISM6) 265 W (4+0, ISM8)

* The pictures, technical parameters and instructions displayed in the product promotion are for reference only, and the specific products are subject to the actual delivery.

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