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OptiX RTN 910A-G

Data Sheet

OptiX RTN 910A-G is a new generation all-in-one IP microwave transmission system with flexible configuration and easy installation. OptiX RTN 910A-G supports 6 microwave links and supports 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 910A-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.

Network Features and Protocols

- Supports PLA/EPLA/EPLA+, (SDB), CA, MIMO, L3VPN, etc.

Ether Sync

- Provides Ethernet synchronization as well as IEEE 1588V2 (TC/OC/BC) capabilities.

Technical Specifications

Network layer	Access and aggregation layers
Frequency rate	6 ~ 42 GHz
Channel spacing	3.5/7/14/28/40/56/80/112 MHz 14 MHz_ACCP/28 MHz_ACCP/56 MHz_ACCP/112 MHz_ACCP
Modulation mode	QPSK Strong, QPSK, 16QAM Strong, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM, 512QAM Light, 1024QAM, 1024QAM Light, 2048QAM, 4096QAM, 8192QAM
Rf direction	6
Business interface	CSHR main control: 4×GE, 2×FE/GE/2.5GE, 16×E1 CSHRF main control: 2×GE, 4×10GE/2.5GE/ GE, 1×COMBO, 16×E1
Exchange capacity	10 Gbit/s (CSHR) 60 Gbit/s (CSHRF)
TDM cross capacity	8×8 VC-4
Air port capacity	Single carrier 1166 ~ 2500 Mbit/s (non-XPIC)
Rf configuration mode	N+0 (N≤6), N×(1+0) (N≤6), 1+1, N+1 (N≤5) XPIC, 4×4 MIMO, 2CA
Functions	Ethernet II, IEEE 802.3 and IEEE 802.1q/p field add/remove, and VLAN tag (IEEE 802.1q/p) exchangeISIS, OSPF, BGP, RSVP, LDP Support flow control (IEEE 802.3x) Support Link aggregation group (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) L3VPN, L2VPN (VLL), CES, MCE
Key features	CES E1, IEEE 1588v2, H-QoS, PLA/EPLA/EPLA+, AES-256 encryption, device anti-theft, 1+1, N+1, XPIC, AM, TDM, PWE3/MPLS, L3VPN, SDB, CA, MIMO
IDU weight	3.55 kg (2+0)
IDU size	442 mm × 220 mm × 44 mm
Typical power consumption (IDU+ODU)	Use CSHR master: 89 W (2 x (1+0)) Using CSHRF master: 105.5W (2×(1+0))
Power supply	-38.4V to -57.6V

* 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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