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RTN 6900-G

Data Sheet

RTN 6900-G is a new generation integrated IP microwave transmission system with flexible configuration and easy installation. It supports 24 microwave links and multiple protection modes. It adopts TDM/Hybrid/Packet integrated platform design, provides a variety of business interfaces, and has the characteristics of large bandwidth and easy expansion. The RTN6900-G microwave can be used for access, multi-direction services at the convergence station and long distance backbone services.

Highlights

Multiband

- Conventional frequency band (6GHz~38GHz) supports 7MHz~224MHz channel interval, up to 16384QAM modulation mode.
-E-Band band (71GHz~76GHz/81GHz~86GHz) supports 62.5MHz~2000MHz channel interval and up to 1024QAM modulation mode.

Unified Management

- Provide a unified platform for TDM, Hybrid, packet and routing services.
- Support multiple interfaces (E1 / STM-1 / GE /2.5GE / 10GE / 25GE) and maximum 150Gbit/s (MMPTa) and 200Gbit/s (MMPTb/MMPLb) switching capacities.
- Single carrier supports up to 2.5Gbit/s airport throughput.

Technical Specifications

Network layer	Access and trunk convergence
Frequency bands	Conventional frequency band: 6GHz~38GHz E-Band band: 71GHz to 76GHz/81GHz to 86GHz
Channel spacing	Under the conventional channel interval: 7/14/28/40/56/80/112/224 MHZ E - Band spectrum under the channel interval: 62.5/125/250/500/750/1000/1500/2000 MHZ
Modulation mode	Modulation mode in regular band: QPSK Strong~16384QAM Modulation mode in E-Band band: 128QAM~1024QAM
Maximum number of ODU/RFU	MMPTa: 16 MMPTb/MMPLb: 24
Air port capacity	Single carrier 2046 -- 2501 Mbit/s
Switching capacity	MMPTa: 150Gbit/s MMPTb/MMPLb: 200Gbit/s
TDM cross capacity	5×5 VC-4
Interface type	E1, STM-1, FE(e), GE(e/o), 2.5GE(o), 10GE(o), 25GE(o)
Rf configuration mode	N+0, N× (1+0), 1+1, XPIC, CA, SDB
Features	Ethernet II, IEEE 802.3 and IEEE 802.1q/p field add/remove, and VLAN Tag (IEEE 802.1q/p) switching, flow control support (IEEE 802.3x), link aggregation group support (IEEE 802.3ad LAG and L1 LAG), RMON (IETF RFC 2819), IPv6 DCN
Service Type -	·Native ETH business: E-Line business, E-LAN business, Native ETH business based on PW: E-Line business, E-LAN business (VPLS virtual private network service), L2VPN (VLL), L3VPN (IPv4/IPv6), CES circuit simulation
Key Features	PLA/EPLA, SDB, 1+1, XPIC, CA, Hub-ATPC, AM, ATPC, TDM, low latency, IEEE 1588v2, G.8275.1, ECOwave energy saving
IDU Weight	4.8kg (fan plate only)
IDU Specifications	88 mm × 442 mm × 224 mm
IDU environment	Temperature: -10 °C ~+60 °C, humidity: 5%~95%
Power supply	-48V (-38.4V to -57.6V) DC input power supply

* 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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Guangdong Glory technology Co., LTD.

1001A, Huimei Building, No. 3 Jinsui Road,Tianhe District,Guangzhou City , China

86-400-800-6805 (Chinese)

sales@glory-t.tech (Chinese & English)

www.glory-t.cn (English)

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