HT2300 Satellite Router

As part of the market-leading Hughes JUPITER™ System, the HT2300 is the powerful, next-generation satellite terminal featuring support for the wideband DVB-S2X forward channel, delivering the industry's best efficiency. The return channel uses powerful and advanced Low Density Parity Coding (LDPC) in conjunction with Adaptive Inroute Selection (AIS) for industry-best performance. The HT2300 features best-in-class throughput performance, delivering up to 200 Mbps of throughput and the capability to support the most bandwidth-intensive and demanding applications. The terminal incorporates an easy-to-use embedded Web Graphics User Interface (GUI) that provides a local interface for quick and reliable installation, status monitoring, troubleshooting, and diagnostics.

The HT2300 terminal features a desktop chassis suitable for installation in a range of locations from homes to offices. The terminal supports dual-cable IFL that enables use of an industry-standard L-band interface to the outdoor unit, as well as operating on a wide array of operating frequencies with a variety of high-power BUCs. The HT2300 comes equipped with 4 GigE LAN ports.

JUPITER SYSTEM™

For additional information, please visit www.hughes.com or contact us at globalsales@hughes.com.

Specifications – Indoor Unit (IDU)

Forward Channel
- DVB-S2X with Adaptive Coding and Modulation (ACM)
- Frequency: C-band, Ku-band, and Ka-band
- Modulation: QPSK, 8PSK, 16APSK, 32APSK, 64APSK
- Encapsulation: GSE
- Symbol rates: Up to 235 Msps

Return Channel
- MF-TDMA
- LDPC FEC with efficient variable block/burst sizes
- OQPSK, QPSK, 8PSK, or 16APSK
- Symbol rate from 256 ksps to 12 Msps

Network Interfaces
- 4 GigE LAN ports
- USB

Power Supply
- External with detachable cord
- AC Input Voltage Range: 90–264 VAC
- Input Frequency Range: 47–63 Hz

Mechanical and Environmental
- Weight: 1.23 lbs (.56 kg)
- Size: 8.0" H x 1.6" W x 9.0" D
  (20.4 cm H x 3.9 cm W x 22.7 cm D)
- Operating temperature: 0° C to +50° C
- Relative humidity: 0 to 90% (noncondensing)

Other
- Radio specifications:
  - L-band — TX: 950-2400 MHz, RX: 950-2150 MHz
  - Available in C-, Ku-, or Ka-band
- Antennas: 74 cm, 98 cm, 120 cm, or 180 cm
- IFL cable type and length: Dual RG-6, 75 ohm, F-type connector, up to 150'

Regulatory
- Safety: UL/CSA/EN 60950-1
- EMC: FCC Part 15 class B, ICES-003
- RoHS-2 compliant

Networking Features
- Dual stack IPv4/IPv6
- Static and Dynamic Addressing
- BGP Routing Support
- Policy Based Routing
- NAT/PAT
- RIPv2, RIPNG
- VLAN tagging
- DHCP-V6 Relay
- VRRP
- Access Control List (ACL)
- DNS Caching
- SIP Call Proxy
- Advanced Web Acceleration
- Layer 2*

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