

HT2300 Satellite Router

As a part of the market-leading Hughes JUPITER™ System, the HT2300 is a powerful, next-generation satellite router featuring support for the wideband DVB-S2X forward channel up to 235 Msps, delivering the industry's best spectrum 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, thus it can operate over a range of carrier frequencies in C-, Ku-, and Ka-bands with a variety of high-power off the shelf BUCs. The HT2300 comes equipped with 4 GigE LAN ports. The return channel on the HT2300 is capable of Adaptive Coding and Modulation (ACM) for exceptional performance.



JUPITER™
SYSTEM

For additional information, please visit www.hughes.com

Technical Specifications

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 Kbps to 12 Msps
- Adaptive Coding and Modulation (ACM) capability

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 interface:
 - L-band — TX: 950-2400 MHz, RX: 950-2150 MHz
 - Operates in C-, Ku-, or Ka-band networks
- 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

IP 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 transport with acceleration and compression*