

HT3050 Satellite Router

As part of the market-leading Hughes JUPITER™ System, the HT3050 is a powerful, next-generation satellite terminal featuring support for 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 HT3050 features best-in-class throughput performance, delivering up to 200 Mbps of throughput and the capability to support bandwidth-intensive and demanding applications.

The HT3050 terminal features a small desktop chassis with Two GigE LAN ports and a single IFL cable for interface to the outdoor unit (ODU).



Technical Specifications

Forward Channel

- DVB-S2X with Adaptive Coding and Modulation (ACM)
- Modulation: QPSK, 8PSK, 16APSK, 32APSK and 64APSK
- Encapsulation: GSE
- Symbol rates: Up to 476 Msps**

Return Channel

- MF-TDMA
- LDPC FEC with efficient variable block/burst sizes
- Modulation**: OQPSK, QPSK, 8PSK, 16APSK
- Symbol rate from 256 kpsps to 12 Msps**

Network Interfaces

- Two GigE LAN port
- USB port* (future capability)

Mechanical and Environmental

- Weight: 1.2 lbs (0.5 kg)
- Size: 7.24" H x 2.64" W x 5.83" D (18.39 cm H x 6.71 cm W x 14.81 cm D)
- Operating temperature: 0° C to +50° C
- Relative humidity: 5 to 90% (noncondensing)
- Survival temperature: -40° C to +70° C
- Relative humidity: 5-95% (condensing)

**Depends on the ODU used

Power Supply

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

IP Features

- Dual stack IPv4/IPv6
- Static and Dynamic Addressing
- BGP Routing Support
- Policy Based Routing
- NAT/PAT
- RIPv2, RIPng
- VLAN tagging
- DHCP IPv4/IPv6 Relay
- VRRP
- Access Control List (ACL)
- DNS Caching
- SIP Call Proxy

Outdoor Unit (ODU)

- Ku Antennas: 74 cm, 90 cm, 120 cm and 180 cm
- Ka Antennas: 74 cm, 90 cm and 120 cm
- Interfaces with Hughes Single IFL Ku and Ka Band Radios
- IFL cable type: Single RG-6, 75 ohms, F-type connector

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