

HT2600 Series

As part of the market-leading Hughes JUPITER™ System, the HT2600 series of satellite terminals are powerful, next-generation VSAT systems featuring support for the wideband DVB-S2X forward channel, thus delivering industry-best performance and efficiency.

In addition to offering exceptional performance, the HT2600 series employs either MF-TDMA inroutes using powerful and advanced Low Density Parity Coding (LDPC) with Adaptive Inroute Selection (AIS), or dynamic TDM inroutes for dedicated links to accommodate integration of a wide variety of applications.

In addition, the HT2600 series delivers high throughputs and is capable of supporting bandwidth-intensive, simultaneous

multimedia applications with the ability to switch from a dynamic TDM inroute to MF-TDMA inroute, thus allowing service providers the flexibility to adapt to varying traffic needs of network operators.

This series of high-performance satellite routers are available in an all-outdoor IP67 enclosure with DC power supply options. In addition to a compact structure, this series of satellite routers support a variety of power options. The terminals support 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 frequencies with a variety of high-power BUCs. These VSAT terminals also feature an IEEE PTP 1588v2 native GPS receiver to provide timing coordinates to the collocated radio base station.

Technical Specifications

L-band IFL cable

Available in C-, Ku-, or Ka-band

Antennas: 74 cm, 98 cm, 120 cm, or 180 cm

Dual RG-6 75 Ω F-type connector

Up to 2 GigE LAN ports

Download throughputs: Up to 200 Mbps

Upload throughputs: Up to 50 Mbps

Power supply options:

■ +24V DC

■ -48V DC

Forward Channel:

DVB-S2X with Adaptive Coding and Modulation (ACM)

Modulation: QPSK, 8PSK, 16APSK, 32APSK

Symbol rates: Up to 235 Msps

Return Channel:

MF-TDMA or dynamic TDM inroutes

Modulation: QPSK, QPSK, 8PSK and 16APSK

Symbol rates: Up to 12 Msps

IP Routing Features:

Dual-stack IPv4/IPv6, DHCP-v6 relay

Static and dynamic addressing

IP protocols: RIPv2, RIPNG, BGP

Policy-based routing and QoS

NAT/PAT, DNS caching, and SIP call proxy

End-to-end VLAN tunneling

VRRP, Access Control List (ACL)

Advanced Web acceleration

Mechanical and Environmental Features:

AC and DC power supply options

Weight: 9.0 lbs (4.08 kg)

Size: 13.3" (w) x 11.0" (d) x 2.8" (h)

Operating temperature: -40° C to +60° C

Water resistance: IP67

Regulatory Information:

Safety: UL/CSA/EN 60950-1

EMC: FCC Part 15 class B, ICES-003

RoHS-2-compliant