

HT2010 Satellite Router

As part of the industry-leading **Hughes JUPITER™ System**, the **HT2010** satellite router is engineered to deliver high-speed broadband access for small to medium enterprises (SMEs) and distributed enterprise networks.

Exceptional Performance

The **HT2010** supports a wideband DVB-S2X forward channel, offering unparalleled efficiency. Its return channel leverages advanced Low Density Parity Coding (LDPC) and Adaptive Inroute Selection (AIS) technologies to ensure superior performance. With best-in-class throughput of up to **200 Mbps**, the router is designed to handle bandwidth-intensive and demanding applications seamlessly.

Compact and Versatile Design

The router features a compact desktop chassis, equipped with:

- A single GigE LAN port for high-speed connectivity.
- A USB port for enhanced versatility.
- A single-cable IFL connection for interfacing with the Outdoor Unit (ODU).

Integrated High-Capacity Support

The **HT2010** is fully compatible with Hughes **HB210** and **HB220** multimode radios, ensuring robust support for high-capacity return channels. This makes it an ideal solution for enterprises requiring efficient and reliable satellite broadband connectivity.

The **HT2010 Satellite Router** combines advanced technology, compact design, and exceptional throughput performance to support the evolving needs of SMEs and distributed enterprises.



Specifications – Indoor Unit (IDU)

Forward Channel

- * DVB-S2X with Adaptive Coding and Modulation (ACM)
- * Frequency: Ka-band or Ku-band
- * Encapsulation: GSE
- * Symbol rates: Up to 235 Msps

Return Channel

- * MF-TDMA
- * LDPC FEC with efficient burst size encapsulation
- * OQPSK, QPSK, 8PSK, and 16APSK modulation
- * AES 256 link encryption
- * Symbol rate from 256 kbps to 12 Msps

Network Interfaces

- * Single Gigabit Ethernet port
- * USB port

Power Supply

- * External with detachable power cord
- * AC input 90–264 VAC 47–63 Hz
- * Power consumption 55 W (max with HB-220)

Mechanical and Environmental

- * Desktop IDU chassis
- * Dimensions – 7.2" (h) x 2.6" (w) x 5.8" (d) inches
- * Operating temperature: 0° C to 50° C

Regulatory

- * Safety: UL/CSA/EN 60950
- * EMC: FCC Part 15 class B
- * RoHS compliant

Other

- * Uses the Hughes HB210 and HB220 radios
- * Single RG-6 IFL cable up to 300 feet Q 74 cm, 90 cm, 98 cm, or 1.2 m antennae