

# HT2010 Satellite Router

As a part of the market-leading Hughes JUPITER™ System, the HT2010 is a powerful satellite router designed to provide high-speed broadband access to users of small/medium enterprise (SME) and distributed enterprise networks.

The HT2010 router supports a 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 HT2010 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 HT2010 router features a small desktop chassis with a single GigE LAN port, a USB port, and a single cable IFL connection for interfacing with the Outdoor Unit (ODU). The HT2010 works with the Hughes HB210 and HB220 multimode radios which are ideal for supporting high-capacity return channels.



## 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 ksps 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