

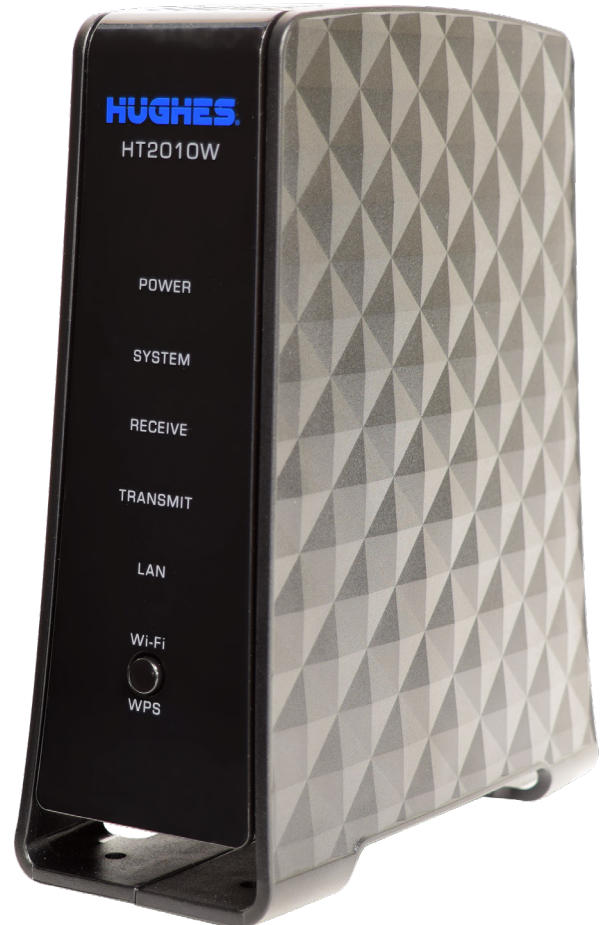
# HT2010W Wi-Fi Satellite Router

As part of the market-leading Hughes JUPITER™ System, the HT2010W is a powerful, next-generation satellite router featuring support for wideband DVB-S2 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 HT2010W features best-in-class throughput performance, delivering up to 200 Mbps of download throughput and the capability to support the most bandwidth-intensive and demanding applications.

Capable of both 802.11n and 802.11ac Wi-Fi with internal MIMO antennas, the HT2010W terminal features a small desktop chassis with four GigE LAN ports and a single-cable IFL for interface to the Outdoor Unit (ODU).

## HT2010W Integrated Wi-Fi Router Capabilities

- AC1350 gigabit dual-band wireless router
- Dual-band: Simultaneous 2.4 GHz and 5 GHz bands
- Dual-stack: IPv4 and IPv6
- Wi-Fi Certified: IEEE 802.11a/n/ac on 5 GHz band and IEEE 802.11b/g/n for 2.4 GHz band
- Dynamic Frequency Selection (DFS) available for 5 GHz band
- 2x2 MIMO for 5 GHz band
- 3x3 MIMO for 2.4 GHz band
- Wi-Fi Certified WPS (Wi-Fi Protected Setup) capability
- Security capabilities:
  - WPA2-PSK support
  - WPA/WPA2-Mixed Mode support
  - WPA2-Enterprise support
- UPnP (Universal Plug and Play) support
- Advanced security features like Parental Controls, URL Filtering, DMZ, MAC Address Filtering, IPv4 and IPv6 Firewalls
- Guest Wi-Fi Network Access
- Advanced Upstream QoS capability with 4 priority queues
- DHCP Reservation capability
- Wi-Fi Band steering between 2.4 GHz and 5 GHz



## Specifications—Indoor Unit (IDU)

### Forward Channel

- DVB-S2 with Adaptive Coding and Modulation (ACM)
- Frequency: Ka-band or Ku-band
- Modulation: QPSK, 8PSK, 16APSK, 32APSK, 64APSK
- Encapsulation: GSE
- Symbol rates: Up to 235 Msps
- AES 256 encryption support

### Return Channel

- MF-TDMA
- LDPC FEC with efficient variable block/burst sizes
- Modulation: OQPSK, QPSK, 8PSK, 16APSK
- Symbol rate: 256 Ksps up to 12 Msps
- AES 256 encryption support

### Network Interfaces

- Four GigE LAN ports and Wi-Fi
- USB port

### Power Supply

- External with detachable cord
- AC input voltage range: 90–264 VAC
- Input frequency range: 47–63 Hz

### 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: 5° C to +40° C (41° F to 104° F)
- Relative humidity: 0 to 90% (noncondensing)

### Other

- Radio specifications:
  - Works with Hughes single IFL cable ODU
  - 1W, 2W, and 3W saturated Ka-band radio
  - 2W and 3W saturated/linear Ka-band radio
  - 2W saturated Ku-band Hughes radio
  - Operating temperature: -40° C to +55° C (-40° F to 131° F)
  - Relative humidity: 100% (condensing)
- Antennas: 74 cm, 90 cm, 98 cm, or 120 cm
- IFL cable type: Single RG-6, 75 ohms, F-type connector up to a length of 300 ft

### Regulatory

- Safety: UL/CSA/EN 60950
- EMC: FCC Part 15 class B, ICES-003
- RoHS compliant