HUGHES
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DATASHEET

Hughes JUPITER™ Outdoor Unit HB210

The state-of-the-art Hughes HB210 outdoor unit (ODU) is a high-performance, low-cost broadband satellite radio unit designed to cost-effectively satisfy a wide range of high-speed connectivity requirements for consumer, small office/home office, enterprise, and government markets. The ODU consists of the radio assembly, which mounts on a range of antennas.

Controlled and powered by the JUPITER System HT satellite router through a single IFL cable (integrated transmit, receive-LNB plus OMT), these ODUs provide many sophisticated features to simplify installation and make the most efficient use of satellite capacity.

The ODU is compatible with JUPITER HT2000 satellite routers, HT2000W, HT2010, HT2010W, HT2200 and HT2210.

Characteristics:

Simple Installation

- Transmit and receive on a single IFL
- Supports Hughes antenna signaling interface protocol
- Simple, well-defined processes available to installers
- No 1 dB compression test required
- No manual power adjustment required

Certifications

- CE Marking
- IPoS (according to ETSI TS 102 354 V1.2.1)
- ROHS and WEEE Marking

Technical Specifications:

TX frequency	29.25 to 30 GHz
RX frequency	17.7 to 19.3 GHz
	19.7 to 20.2 GHz
Input DC voltage	+12 to +55 V
DC power consumption	23 W max
Polarization	Circular cross pol, set manually
Operating temperature	-40° C to + 50° C
Number of IFLs	1
IF Connector	"F" Female, 75 ohms
Min. IFL cable length	25 ft(8 m)
Max. IFL cable length	up to 100 m
Agency compliance	CE R&TTE and FCC Safety
Safety compliance	UL, CE, and IEC

Antenna Size	Typical EIRP (dBW)	Linear EIRP (dBW)	G/T (dB/k)
74 cm	47.4	45.0	18.6
90 cm	48.6	46.2	20.2
98 cm	49.2	46.8	20.6
120 cm	51.6	49.2	22.3

For more information,
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