

The Hughes 4500 terminal delivers affordable, end-to-end IP data connectivity for applications in connected vehicle, industrial, fisheries, resource extraction, environmental monitoring, and Smart-Grid monitoring among others.

The low standby power consumption of the Hughes 4500 terminal makes it possible to provide end-to-end IP connectivity to sites that are otherwise off the grid. It is suited to power-challenged locations that rely upon solar-battery arrays with sensitive power budgets.

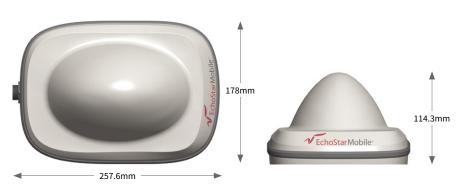
The Hughes 4500 terminal is environmentally sealed for long-term outdoor installation or on a vehicle, fixed site, or small boat. The installation consists of a single 4500 unit that can be placed at the end of a single cable carrying Ethernet and power. The SIM card is mounted securely inside the 4500 unit.

#### **Features**

- S-band satellite operation
- Omni directional antenna
- Designed for mobile operations
- Integrated watchdog to ensure "always-on" network connectivity, no manual intervention required to recover from an outage
- Supports remote terminal management
- Auto-on/auto-context activation automatically restores power and connection following loss of power and/or network issue
- · Low power consumption
  - Transmit: < 16 W
  - Receive: < 8 W
  - Idle: ~1 W
  - Off (Remote switch control): 10 mW
- · Simple installation; no PC required
- Terminal can be vehicle-, pole-, or mag-mounted
- Weatherproof integrated omni antenna element
- Built-in GNSS receiver



# Hughes 4500 S-band Terminal



Hughes 4500, Available with vehicle mount, pole mount, and mag mount accessories

## **Interfaces**

- · Ethernet connection
- · Nominal 12V power
- USB for connection to configuration PC
- SIM connector under cover
- Option: Serial data and GPIO options

# **Package Contents**

- Hughes 4500 terminal
- · Quick Start Guide

### Accessories

- Connection cables
- · Vehicular, pole, or mag mounting kits
- Extended warranty options

Technical Specifications	
SAT Transmit Freq	1995–2010 MHz
SAT Receive Freq	2185-2200 MHz
GNSS Support	GPS, GLONASS
Terminal Weight	1.2 kg
Terminal Dimensions	245 x 175 x 155 mm
Operating Temp	-25 to +65 °C
Storage Temp	-40 to +80 °C
Humidity	95% RH at 40 °C
Wind loading	Survival: 200 km/h
Water and Dust	IP-66
Input Voltage	+12V (vehicle)
Firmware Upgrades	Over the air or local



# Want to know more?



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