



remos

Expedite Datasheet

EXPEDITE Modem

Expedite represents an advanced transceiver uniquely engineered to cater to the intricate demands of satellite ground operations.



Book a Demo
info@remospace.com

Specifically optimized to excel in scenarios requiring low-rate, burst-mode communications



Encompass multifaceted mission support, streamlined mission scheduling, and seamless integration of antenna instrumentation, all seamlessly integrated into a unified software platform

Compatibility with various rotor solutions

- ✓ Yaesu
- ✓ SPID
- ✓ Prostel
- ✓ M2

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EXPEDITE MODEM SPECIFICATIONS

COMMUNICATIONS

Data Rate	Up to 1 Mbps
Scrambler	Multiplicative (G3RUH), Additive (CCSDS)
Line Codes	NRZ-L/M/S & BP (Manchester) - L/M/S
FEC Codes	CCSDS Convolutional, Reed-Solomon, Concatenated, LDPC C2, PLOP-1
Modulations	BPSK, GFSK, GMSK, AFSK, FSK, QPSK, ASK
Packet formats	HDLC, AX.25, 4 Universal Attached Sync Maker including CCSDS and GomSpace Mode 5, NOAA-APT
Frequency Bands	40MHz to 2.5GHz
Doppler Correction	Automatic or External

ENVIRONMENT

Chassis size	4U
RF Connection	SMA Female
Chassis Weight	16 kg
Chassis Dimensions	(h/w/d) 177x482x555mm
Operating Temperature	10 to 40C

HIGH DATA-RATE DOWNLOAD

Input IF	950 -2150 MHz
Data Rate	Up to 425 Mbps
Modulation and FEC	DVB-S2(x)

INTERFACE

GUI
TCP/IP
REST API
FTP

TOOLS

TM/TC Simulator
Local TT&C Client
Spectrum Analyzer
Mission booking and tracking
BER/FER Performance Tools
Half -duplex sequencer control
Telemetry data and RF recording
Rotor control (SPID, Yaesu, M2, Prosisstel, Custom rotor upon request)