



remos

Expedite Datasheet

EXPEDITE Modem

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



Contact Us

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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

Symbol Rate	100 baud to 1 Mbaud
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, QPSK, FSK, GFSK, GMSK, AFSK, ASK
Packet formats	AX25, HDLC, CADU, all GomSpace and SRS-3 mod
Frequency Bands	70MHz to 6 GHz
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

EXTERNAL REFERENCE

Clock	10 MHz
Time	1 PPS

HIGH DATA-RATE DOWNLOAD

Data Rate	Up to 10 Mbaud
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INTERFACE

GUI
TCP/IP
REST API
FTP

TOOLS

TM/TTC 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)