



remos

Remos Space Systems AB

DATASHEET HASTEN MODEM

Hasten introduces an advanced transceiver designed uniquely to address the intricate requirements of satellite ground operations.



The breadth of its capabilities is extensive, covering multifaceted mission support, streamlined mission scheduling, and the seamless integration of antenna instrumentation.

Compatibility with various ACUS solutions



CPI



Orbit



SPID



M2

BOOK A DEMO

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This device has been meticulously engineered to provide robust support for high-rate TT&C (Telemetry, Tracking, and Command) as well as Earth observation activities.





HASTEN MODEM SPECIFICATIONS

TELEMETRY

Frequency Bands	40MHz to 2.5GHz
Data Rate	Up to 40 Msps
Modulations	BPSK, QPSK, oQPSK, GMSK, PCM/PM, PCM/PSK/PM, PCM/FM
Doppler Correction	Automatic or External
Line Codes	NRZ-L/M/S and BP (Manchester)- L/M/S
FEC Codes	CCSDS Convolutional, Reed-Solomon, Concatenated, LDPC C2, Scrambler, Multi-state CADU
Packet formats	CCSDS CADU

ENVIRONMENT

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

TELECOMMAND

Frequency Bands	40MHz to 2.5GHz
Data Rate	Up to 40 Msps
Modulations	BPSK, QPSK, oQPSK, GMSK, PCM/PM, PCM/PSK/PM, PCM/FM
Doppler Correction	Automatic or External
Line Codes	NRZ-L/M/S and BP (Manchester)- L/M/S
FEC Codes	CCSDS BCH, Short-LDPC
Packet formats	CCSDS CLTU

TOOLS

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

HIGH DATA-RATE DOWNLOAD

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

INTERFACE

GUI
TCP/IP
REST API
FTP