

SATELLINE-3AS is a half-duplex radio modem suitable for a variety of data transfer applications, in particular ones demanding high speed and precision.

In addition to the maximum data speed 19.2 kbps and channel spacing 25 kHz or 12.5 kHz, it offers a number of features and functions.

Message Routing is a new feature in SATELLINE-3AS modems, which makes it easier to build up a large radio modem network.

The SATELLINE-3AS software includes a selectable error correction, which improves the functioning of the radio modem under interference.

SATELLINE-3AS is compatible with the interface types RS-232, RS-422 and RS-485. Without changing the hard-ware all the parameter settings of the radio modem can be modified through the interface from a PC. The model SATELLINE-3ASd is equipped with a LCD display of its own, which facilitates programming of the radio modem.



FEATURES AND BENEFITS

- Repeater function
- Error correction (FEC)
- Interfaces RS-232, RS-422 or RS-485
- LCD display and four push buttons in 3ASd
- Programmable output power 10 mW...1 W
- RS interface data speed 300...38400 bit/s
- Data speed in the air 19200 bit/s at 25 kHz and 9600 bit/s at 12.5 kHz

TECHNICAL SPECIFICATION

TRANSCEIVER

Frequency range	380 ... 470 MHz
Channel spacing	12.5 / 25 kHz
Communication mode	Half-duplex

Transmitter

Carrier power	10 mW ... 1 W / 50 ohm
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Receiver

Sensitivity	116 ... -110 dBm (BER < 10 E-3)
Adjacent channel selectivity	> 60 dB / > 70 dB

DATA MODEM

Interface	RS-232 or RS-422. RS-485
Interface connector	D 15, female
Data speed of RS interface	300 - 38400 bps
Data speed of radio interface	19200 bps (25 kHz channel) 9600 bps (12,5 kHz channel)
Data formats	Asynchronous data

GENERAL

Operating voltage	+9 ... + 30 Vdc
Power consumption	1.8 VA typical (receive) 6.0 VA typical (transmit) 0.05 VA typical (when DTR is "0")
Temperature range	-25 °C ... +55 °C
Antenna connector	TNC, 50 ohm, female
Construction	Aluminium enclosure
Size H * W * D	137 * 67 * 29 mm
Weight	250 g

Note: Dynamic Positioning Services reserve the right to amend this specification without prior notice.