



SATEL-EASy+

SATEL-EASy+ is a new product family from SATEL. SATEL-EASy+ has improved LCD display to enable easy configuration, improved MCU capacity and variable physical interfaces available.

In addition to ordinary communication functions, SATEL-EASy+ offers configuration through radio, efficient diagnostics tools and accumulation of operation statistics data.

First model of SATEL-EASy+ uses 400 MHz frequency band and it is compatible with many SATEL radios, including SATEL-LINE-3AS NMS product family.

Setting up a local data transfer network is quick and cost effective with SATEL radio modems. The wireless network is independent and free of operator services. The cost of operation is either free of charge or fixed, depending on the frequency used. SATEL radio modems are type-approved in over 50 countries.

SATEL radio modems are always on line and provide reliable, real-time data communications over distances ranging from

tens or hundreds of metres up to around 80 kilometres. Thanks to a store and forward function, any radio modem in a network can be used as a master station, substation and / or repeater.

SATEL radio modem networks are flexible, easy to expand and can cover a wide variety of solutions from simple point-to-point connections to large networks comprising hundreds of modems. Even for expanded networks, only one operating frequency is required.

SATEL

Mission-Critical Connectivity

Read more: www.satel.com

SATEL-EASy+

SATEL-EASy+ is a new radio modem family with modern technology. It offers improved LCD and more memory, several interfaces are available from standard serial to USB. In addition, it has several ways to configure the radios and monitor the quality of the radio network. SATEL-EASy+ is compatible with SATELLINE-EASy and -M3-TR4 based radios as well as with SATELLINE-3AS NMS modems.

The following software are supported by SATEL-EASy+:

- SaTerm (terminal SW for SL commands or data transmit/reception)
- SATEL Configuration Manager (Configuration)
- NETCO NMS (Configuration and monitoring)
- NETCO Mobile (Configuration over BT*)
- SATEL NMS PC (Configuration and monitoring)

First product variant of SATEL-EASy+ family is for UHF frequencies 403 - 473 MHz with 1 W output power, other frequency and power variants will follow soonest. Ask more from SATEL.

| | SATEL-EASy+ |
|-------------------------------------|--|
| Frequency range | 403 ... 473 MHz |
| Tuning range | 70 MHz |
| Channel spacing | 12.5 kHz / 25 kHz 20 kHz (uses 12.5 kHz channel width) |
| Modulation | 4FSK, 8FSK, 16FSK, GMSK |
| Sensitivity BER < 10E-2 (FEC ON) | -115 dBm @ 12.5 kHz (4FSK) / -113 dBm @ 25 kHz (4FSK) -102 dBm @ 25 kHz (16FSK) |
| Data speed of radio interface | 9600 bps @ 12.5 kHz / 19200 bps @ 25 kHz (4FSK, FEC OFF) 7200 bps @ 12.5 kHz / 14400 bps @ 25 kHz (4FSK, FEC ON) 14400 bps @ 12.5 kHz / 28800 bps @ 25 kHz (8FSK, FEC OFF) 9600 bps @ 12.5 kHz / 19200 bps @ 25 kHz (8FSK, FEC ON) 14400 bps @ 12.5 kHz / 28800 bps @ 25 kHz (16FSK, FEC ON) |
| Carrier power | 0.01 ... 1 W |
| Power consumption, typical | < 1.5 W (Receive) < 5.5 W (Transmit 1 W) < 0.05 W (Standby) |

GENERAL

| | |
|--------------------------------|---|
| Communication mode | Half-Duplex |
| Type of emission | F1D |
| Electrical interface | RS-232, -422, -485 (default) USB, ETH, BT (optional variant*) |
| Interface connector | D15 (default) RJ45, USB, IO's (optional variant*) |
| Data speed of serial interface | 1200 - 115200 bps |
| Data format | Asynchronous data |
| Operating voltage range | +7 ... +27.5 VDC (-15% / +20%) |
| Operating temperature | -20 ... +55 °C (Complies with standards) -30 ... +70 °C (Functional) -40 ... +85 °C (Storage) |
| Antenna connector | TNC, 50 Ohm, female |
| Material | Aluminium |
| Size H x W x D / Weight | 138 mm x 67 mm x 29 mm / < 350 g |

Values are subject to change without a notice.

*) Ask availability from SATEL.

HW

- New generation mechanics
- Voltage range +7 ... +27.5 VDC (-15% / +20%)
- Improved LCD Display
- Improved MCU capacity
- Variable physical interfaces (D15, RJ45¹, USB², IO's³)

FW

- NMS Protocol Compatibility (With routing, diagnostics and packet filters)
- ETH & TCP/IP Connectivity¹
- BT/BLE Connectivity¹
- DRM Feature support (IP networking, Cyber-Security)
- FW Over-The-Air Update¹

SW / DM

- Legacy support for SATEL NMS PC Software
- NETCO NMS compatibility (Configuration + Monitoring)
- NETCO Mobile compatibility¹



SATEL Oy

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