



GPS Receiver

GPSMOD1



- Receives GPS and GALILEO Satellites
- 50-channel Receiver Module
- SBAS Support (WAAS, EGNOS, MSAS, GAGAN)
- USB 2.0 Data Port
- External Antenna Connector w. active Sourcing
- DIN-rail Mounting
- Temperature Range: -20°C to +60°C

The LyconSys GPSAMOD1-receiver combines robustness and highperformance for industrial tracking applications. The internal 50-channel Receiver Modul allows simultaneous tracking of up to 16 satellites, Assited GPS (A-GPS) and the full support of satellite based complement systems (SBAS).

Applications

- * Traffic Monitoring
- * Tracking und Postioning
- * Reference clocks for NTP-Server
- * Wireless alarm systems



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GPS Features

Receiver Type	50-channel Receiver Chipset u-blox Antaris 5 GPS L1 C/A code SBAS: WAAS, EGNOS, MSAS, GAGAN
Max. Update-rate	4 Hz
Accuracy	Position: 2.5 m CEP (@ -130 dBm) SBAS: 2.0 m CEP (@ -130 dBm)
Start-up Speed	Cold-starts: 29 s Warm-starts: 29 s Aided starts: < 1 s Hot starts: < 1 s
Sensitivity	Location: -160 dBm Tracking: -160 dBm Cold-start: -144 dBm
Multipath Suppression	Intelligent Multipath detection and suppression
GPS Protocols	NMEA, UBS binary
A-GPS	AssistNow®* Online/Offline Support, OMA SUPL-compatible
Max. Acceleration	600 m/s

Ports and Connectors

Data Ports	1 USB 2.0
GPS Antennas	1 SMA(f) with 3,3 V active antenna sourcing
Power Supply	1 Screw-type Terminal, 9 V to 24 V (max. 28V) DC, max. 180 mW (w./o. GPS antenna)

Certifications

Conformity	CE
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Mechanical Data

Housing	DIN-rail Housing (ABS) acc. to DIN 43880
Safety Class	IP30
Mounting	DIN-rail (EN 50022), Wall-mounting option
Size	35 x 68 x 82 mm (W x H x T), equals 2 SU
Weight	87g
Environmental Conditions	-20 to +60°C (Operation) 5 to 95 % (not condensing)

*AssistNow® is a registered trademark of u-blox AG

Order Information

Product Description	Order Code
GPS Receiver GPSMOD1	GPSMOD1
Wall-mount kit	WALLMNTKIT