

Sycada m/Trace

Guardian Solo Telematics Terminal

GENERAL

Communication Modes	GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP and SMS
Location Technology	50 Channel GPS
Operating Voltage	3.6 volt internal battery pack

GPS

Location Technology	GPS
Enhancement Technology	SBAS: WASS, EGNOS, MSAS, GAGAN
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-147 dBm
Location Accuracy	2.0m
AGPS / Location assistance capable	

CELLULAR

Data Support	SMS, GPRS, CDMA 1xRTT or HSPA packet data
Operating Bands (MHz band)	
GSM/GPRS	850/900/1800/1900
CDMA/1xRTT	850/1800
HSPA/UMTS	800(VI)/850(V)/900(VIII)/1700(IV)/1900(II)/2100(I)
Transmitter Power	
GSM/1xRTT	850/900/1800/1900
CDMA/1xRTT	850/1800
HSPA/UMTS	all bands
HSPA data rates	5.6 Mbps upload / 7.2 Mbps download
HSPA Fallback	EDGE/GPRS/GSM quad band EDGE MCS1-MCS9 3GPP Release 6

CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

DEVELOPMENT SUPPORT OPTIONS

Customized hardware and software development available on request

ENVIRONMENTAL

Temperature	-30° to + 75° C (operating) tethered -40° to + 85° C (storage)
Humidity	95% R.H. @ 50° C non-condensing
Shock and Vibration	U.S. Military Standard 202G and 801G, SAE J1455
EMC/EMI	SAE J1113
RoHS Compliant	

ELECTRICAL

Operating Voltage	3.6 internal battery
Power Consumption	<100µA @ 12V (deep sleep) 70mA @ 12V (active standby)

PHYSICAL

Dimensions	2.25" x 2.25" x 10.5" (55 x 55 x 260mm)
Weight	32oz (907g)

CONNECTORS, SIM ACCESS

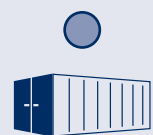
SIM Access	Internal
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KEY FEATURES

- 7 years with single message cycle per day on fully charged batteries
- 57Ah lithium field replaceable battery pack
- IP67 sealed and rugged enclosure
- Packet data (GPRS, CDMA 1xRTT, or HSPA) and SMS-based messaging
- Internal cellular and GPS antennas
- Super Sensitive GPS (-162 dBm tracking)
- Built-in 3-axis accelerometer for motion sense
- Ultra low power sleep mode (<100µA)
- Voltage monitoring and low battery notification
- 2,000 buffered messages
- 10 built-in geo-fences

MOUNTING

Screw mounting bracket
Magnet Mount



Amsterdam
Sycada Nederland B.V.
Gebouw Rome
Burg. Stramanweg 108E
1101 AA Amsterdam
The Netherlands

Tel: +31 (0) 20 311 6500
Fax: +31 (0) 20 311 6509
E-mail: info@sycada.com

Munich
Sycada Deutschland GmbH
Elsenheimerstr. 47
D-80687 Munich
Germany

Tel: +49 (0) 89 550 616 0
Fax: +49 (0) 89 550 616 16
Internet: www.sycada.com

Athens
Sycada Hellas Ltd
Tzaferi 16
11854 Athens
Greece

Tel: +30 210 97 51 322
Fax: +30 210 97 51 332