



Sycada m/Trace

Compact OBD II Telematics Terminal

GENERAL

Communication Modes	GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP and SMS
Messages	20,000 buffered messages
Geofence	25 radial and 25 polygonal geofences on-board device, user definable

GPS

Location Technology	50 channel GPS (with SBAS) SBAS: WAAS, EGNOS, MSAS, GAGAN
Location Accuracy	2.0 meter CEP (with SBAS)
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity AGPS capable	-148 dBm

CELLULAR

Data Support	SMS, UDP 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/GPRS	850/900	32.5 dBm
	1800/1900	29.5 dBm
CDMA/1xRTT	850	24 dBm
	1800	23 dBm
HSPA/UMTS	all bands	23 dBm
HSPA data rates	5.6 Mbps upload / 7.2 Mbps download	
HSPA Fallback	EDGE/GPRS/GSM quad band EDGE MCS1-MCS9 3GPP Release 6	

INTERFACES

OBDII Interface	J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230, KWP2000, ISO-15765, GM SWCAN and other OEM interfaces
LEDs	Communication, GPS and OBD Status
Outputs	None
Bluetooth	Bluetooth 4.0 Dual Mode (optional fit)

CERTIFICATIONS

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

ENVIRONMENTAL

Temperature	-30° to +75° C (operating) -40° to +85° C (storage)
Humidity	95%RH @ 50° C non-condensing
Shock and Vibration	SAE J1455
EMC/EMI	CE, GCF, eMark (all pending) RoHS Compliant

ELECTRICAL

Operating Voltage	9-16 VDC Vehicle Systems
Internal Battery	200mAH
Sleep Mode	Ultra low power sleep <3mA

PHYSICAL

Dimensions	43 x 64 x 25 mm
Weight	<52g
Enclosure	Rugged textured plastic enclosure
Communications	OBD, Cellular and GPS
Accelerometer	3 axis 16g, sampling at 400Hz for driver behavior and crash detection

CONNECTORS

Built-in OBD-II/EOBD-II interface via J1962 compliant connector

SIM Access

Internal
SIM fitted during manufacturing

MOUNTING

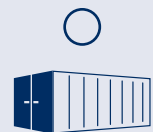
Via built-in OBD-II connector
Self-adhesive mounting with OBD-II extender cable

OPTIONAL FEATURES/FUNCTIONS

OBD-II Connector Cables
Splitter and Extensions
Serial Cable

OBD Data Extraction

Detection	Automatic detection of vehicle interface services
Extraction	Transmission of standard EOBD codes, plus manufacturer specific codes which are made available by the embedded OBD firmware stack
Scripts	Download of vehicle specific diagnostic scripts dependent on vehicle model variant



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