MQUADRO
wireless technologies

M-LOG01

An ultimate generation device to provide global communication functions: tracking, telemetry, alarm and M2M data exchange at the highest level of computational capacity thanks to its powerful ARM9 integrated chipset.

Available also as an open OEM version for developers which need to create new applications for scalable, added-value professional services.

Linux

ARM

TECHNICAL DATA	DESCRIPTION
CPU	ARM9 at 400MHz clock speed Custom Linux OS 2.6.39 RAM 128 MB FLASH 512 MB Micro SD
GSM/GPRS	GSM Quad-Band (850 – 900 – 1800 – 1900 MHz)
GPS	Ublox 6 serie, 50 channels GPS module GPS L1 frequency, C/A Code SBAS: WAAS, EGNOS, MSAS Accuracy: up to 2,5 m Sampling rate up to 4 samples/second (default 1 sample/second) Signal Acquisition: Cold Start (Autonomous): 26 seconds Warm Start (Autonomous): 26 seconds Hot Start (Autonomous): 1 second Six different navigation modes (Automatic, SingleFix, Pedestrian, Automotive, Sea, Airborne)
Power Supply	EXTERNAL 9 - 30 V unregulated Internal Lithium Battery (3,7 V - 1100 mAh optional)
Antennas	2 External (Gps and Gsm-Gprs) Fakra connectors
Interfaces	8 tri-state IO 2 RS-232/485 4 analog inputs 1 CAN 2.0 up to 1 MBPS Full Speed 3 – axis accelerometer (ST LIS331DLH) for tilt and movement detect 3 external led for status indication. Internal temperature sensor 1 USB host/device (Optional)
Casing	IP 30 metal aluminium boxing Dimensions: 83 x 54 x 26 mm
Temperature	Operating - 40°C / +85°C Operating (with Lithium Battery): - 20°C / +60°C Storage: - 40°C / +85°C Lithium Battery Recharge: 0°C / +45°C
Accessories	Power supply cable w/connector (included) Back-up Lithium Battery ranging from1100 mAh to 2900mAh Kit 24 cables for signal interface Flanged Front/Rear panel with screw mounting holes

OEM DEVELOPERS	
Development Kit	Developer's board LOG01 with internal battery Power supply cable and cables for interfaces Gsm-Gps Antennas
Software	Cross Compiler, libraries and application notes

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