

APLICOM A1 MAX TRAILER UNIT

Aplicom's A1 MAX Trailer unit offers a rugged and sophisticated way of collecting trailer information for a back-end service, thus providing an easy way for fleet owners to increase and improve fleet use and productivity. The unit connects to the electronic braking system.



THE A1 MAX TRAILER UNIT has a dual processor structure allowing quick and reliable data handling. The inbuilt accurate GPS receiver and antenna provide location data also in situations where the unit is installed below the trailer. Thanks to the inbuilt battery and movement sensor the location of the trailer is known at all time, even when the trailer is standing without power for a longer period of time. Any movement of the trailer triggers the unit to switch on for continuous position sending.

THE UNIT MONITORS A CONFIGURABLE SET OF DATA available from the electronic braking system (EBS): trailer identification number, axle load to calculate load weight, brake pad wear, distance to next service, vehicle speed and total distance, tyre pressure (requires Integrated vehicle tyre monitoring system (IVTM) installed) and failure status and service information that can be used to improve the profitability of the company. Other relevant data, for example door opening/closing can also be reported to the server and any unwanted door opening can be recognized.

IN ADDITION TO THE EBS DATA, the cooling equipment data is also transferred in the case of a reefer. This includes temperature and alarm information from exceeded predefined temperature values. This allows the dispatcher and driver to react in time to avoid damages in temperature controlled transports.

THE UNIT IS RUGGED, and it is protected against dust and water. It manages strong voltage variations and provides a wide working temperature range. The tamper proof unit structure makes sure that opening the unit is nearly impossible without special tools. Disconnecting the unit from the EBS is recognized, as are removal attempts from the trailer.

THE A1 MAX TRAILER UNIT provides an easy way for fleet owners to increase and improve fleet use and productivity. Some added benefits are reduced fuel and maintenance costs as well as improved customer service.

www.aplicom.com

Aplicom[®]

Aplicom Oy | Sinikalliontie 12 | FI-02630 Espoo, FINLAND
Tel: +358 10 841 9400 | Fax: + 358 9 6831 1350 | info@aplicom.fi

Technical data

Aplicom A1 MAX Trailer Unit

GPRS	Quad-band GPRS multislots
Power switch	SW controlled power management, no mechanical switch
Memory	1,7 Mb FLASH, RAM 400 Kb
Co-processor	ARM7, realtime processing, watch dog, dual-processor technology
GPS	50 channel module, Supersense, under coprocessor control, 2 trip distance counters
Dimensions	158mm (w) x 102 mm (h) x 81mm (d)
Weight	1000g
Power Supply	6,8...32Vdc (nominal +12V)
Current consumption	Typical: <100mA Max (peak) 1A / <1s Stand by: <1mA

Battery	LiPo 3,7Vdc/4400mAh (internal)
Operating conditions	-30°C...+65°C -5°C...+60°C with internal battery -40°C...+70°C storage humidity +95 % max
Housing	IP67 , glass fibre reinforced polyester
RTC	Date, Time, wake-up
Antennas	GPS & GPRS internal
Application	Aplicom ready-made telematics software
Interface	4-way ISO15170 connector (CANH & CANL, POWERIN, GND)
Approvals	CE marking 2004/108/EC (EMC directive)

Specifications subject to change without notice. July 2013. Code: M100570.