APLICOM A5 GLX

Heavy duty telematics unit with Glonass and GPS

Aplicom A5 GLX combines GPS and Glonass positioning systems to enable precise and fast tracking worldwide. Together with flexible set of functionalities specially designed for telematics, it is powerful and yet easy programmable unit to fulfil any fleet and asset management requirements. Voice-call support anc several inputs add on the already versatile features.

APLICOM A5 GLX is designed for professional applications where for example driver performance information and engine data is utilised with FMS CAN, GPS and GLONASS tracking, driver identification and accurate mileage information. Power management, internal and external events handling, and optimised data communications are also supported features. Voice call interface offers an effective and safe way of communication between the office and the driver.

THE A5 GLX USES GPRS AND STANDARD PROTOCOLS to easily connect to any fleet telematics system. Its features can be made configurable giving system designer maximal flexibility to determine all needed events and actions in different customer cases. Over the air (OTA) management technology provide a cost-effective way to update customer applications. Updates can also be executed locally through serial port. A5 GLX unit offers serial interfaces for connecting devices such as vehicle PC's or PDA's.

PROVEN FIRMWARE, including a real-time multitasking operating system, offers unique features and capabilities as well as superb reliability. The optional internal battery functionality offers valuable back-up in power break situations. Aplicom A5 GLX has gone through extensive tests for low and high temperatures, vibrations and other environmental conditions to withstand the vehicle and other demanding environments.

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Technical data
Aplicom A5 GLX

GENERAL

A5 GLX is a rugged, reliable Java-programmable unit with GPS/GLONASS positioning, GPRS communication and a wide variety of interfaces (e.g. CAN, RS232, RS485, iButton driver id, DLKP, digital and analog IO). Open application programmability and good connectivity allows flexible use of A5 GLX specially in different telematics and telemetry applications in demanding environments. Its Java development environment enables smooth implementation of GPS/GLONASS tracking, mileage reporting, power management, event handling, alarms and data communications. A5 GLX supports a wide variety of wireless bearers (GPRS, CSD, SMS) and protocols (e.g. TCP, UDP, SMTP, POP3 and HTTP(S)).

GPRS platform	Quad-Band GPRS multislot Class 12 with J2ME & voice call support
Memory	1,7 MB FLASH RAM 400 KB
Coprocessor	ARM7, realtime processing, Watchdog
GPS/GLONASS	Module CH-4706 under coprocessor control, 2 trip distance counters
Power supply	6,8...48VDC (nominal +12V) Internal fuse: 3A/slow Max (peak): 1,5A / <1s Stand by: <3mA Battery charger operation: 8...48VDC internal Li-Ion
Power switch	IGN and SW controlled power management, no mechanical switch
Dimensions	200mm(W) x 43mm(H) x 90mm(D)
Weight	Without internal battery: 400 g With internal battery: 475 g
Operating conditions	-30°C...+65°C -20°C...+60°C with Li-Ion battery -40°C...+70°C storage humidity +95 % max
Vibration tests	EU, GOST
Housing / material	IP20 Black anodized aluminium (IP51 option)
Battery option	Internal Li-Ion 1300mAh, full operation back-up, over 2 hours
User interface	Indicators (LEDs): Led A - Power on Led B, C, D - Telematics appl. use Led BAT - internal battery charging state SIM card slot RESET - Reset switch

Antenna connectors	SMA for GSM antenna SMA for GPS/GLONASS antenna - 3.3V/100mA max.
Other connectors, Molex type:	Serial port 1, 8pins: - COM1, dataevents, snapshots or proxy, AT command interface or Garmin SW interface Serial port 2, 8 pins: - COM2 GNSS NMEA output - Debug port, info and protocol snapshots (COM2 connector) Power connector, 4 pin: - Power, IGN on/off control Bus1, 4 pin: - Interface for Driver ID reader (iButton) with LED indicator - Aplicom DLKP (DriverLogKeyPad) interface Bus2, 6 pin: - FMS CAN - RS485 IO1 and IO2, 6 pin: - 6 digital in, with 4 parallel AD inputs - 2 open collector outputs or D out IO3, 8 pin: - 4 digital in, 5V logic, 60V tolerant - 2 Analog inputs, 15V scale DAUX, Digital audio interface, 6 pin: - PCM master interface of TC65i GSM module - Protected, 5V, 100mA max. power supply output for external logic
Development tools	Software configurator tool

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