

WiFi automotive RS232 / RS422 / RS485 serial device server

ACKSYS renews its range of wireless communication solutions for transportation by introducing a new model of serial data gateway over WiFi designed for embedded applications.

WLg-xROAD/S features a serial port with a 3-in-1 electrical interface: RS232, RS422, RS485 (full duplex, up to 250 Kbps).

Electronic is enclosed in a shockproof rugged aluminum case with a removable 2dBI antenna (RP-SMA connector) for a 300m coverage range, it offers the support for IEEE 802.11 a/b/g/h standards and 2.4 / 5 GHz radio bands.

It is powered from a +9VDC to +50VDC wide range power supply input for a 3.5W typical power consumption.

Signals connection is achieved inside the enclosure through a 11 point clamp cage terminal, cable is output through a stuffing box.

The product fulfills the most severe requirements in terms of operating environment: from -25°C to +70°C, shock proof and vibration proof according to MIL-STD-810F standard, protection against dust and water projections.



WLg-xROAD/S is E2 certified (CE standard for electronic equipments installed aboard vehicle). Thus it can be installed in full safety aboard of all on-road equipments.

WLg-xROAD/S is shipped with a virtual COM port software, it supports Point to Point (virtual cable) and multipoint modes as well as TCP Client / Server, UDP and serial MODBUS to MODBUS/TCP data gateway.

WLg-xROAD/S is a very rugged equipment designed for applications in road transportation, depots, warehouses, agriculture, manufacturing floors, docks, distribution centers, shipyards and lumberyards ... it can be mounted in trucks, city buses, forklifts, trailers, tractors or cranes, for material handling, real-time information transmission, and inventory management.