WiFi Access Point, Ethernet Bridge & WDS Repeater for automotive applications

ACKSYS widens its range of automotive wireless solutions (WiFi) by introducing a new model designed for embedded applications in on-road transportation fields.

WLg-xROAD/N [P] can be configured as an Access Point, an Ethernet Bridge or a WDS repeater, in infrastructure and AD-HOC modes. It also supports the MODBUS/TCP, PROFINET and Ethernet/IP industrial protocols.
It supports the IEEE 802.11 a/b/g/h WiFi standards (2.4 / 5 Ghz), for a maximum data rate of 108 Mbps in the super A/G mode and an output power of 100 mW.

Electronic is enclosed in an shockproof rugged aluminum case with one removable 2dBi antenna (RP-SMA connector) for a 300m coverage range.
It is powered from a +9VDC to +50VDC wide range power supply input (terminal block inside the enclosure).
Typical power consumption is 3.6W, it can be also be powered from the data cable according to the IEEE 802.3af standard (/NP model).
Ethernet signals are available a terminal block inside the unit.

The product fulfils the most severe requirements in terms of operating environment: from -25°C to +70°C, shockproof and vibration proof according to MIL-STD-810F standard and compliant.

WLg-xROAD/N [P] is E2 certified (CE standard for electronic equipments installed aboard vehicle) by UTAC and the French Ministry of Transports.
Thus it can be installed in full safety aboard of all on-road equipments.

Thanks to the built-in HTML configuration page, it is possible to setup the device from any Internet web browser (Internet explorer, Netscape, Mozzila …), no specific software's or drivers are required on the computer. An SNMP agent is also provided for administration.

WLg-xROAD/N [P] is a rugged equipment designed for applications in road transportation, depots, warehouses, agriculture, manufacturing floors, docks, distribution centres, 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.