

**WiFi Access Point, 2-port  
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, railways and marine transportation fields.

WLg-ABOARD/NP 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, a optional high power radio (400 mW) is also available.

Electronic is enclosed in an IP66 shockproof rugged aluminum case with two removable 2dBI antennas (N-type connectors) for a 300m coverage range.

It is powered from a +9VDC to +75VDC wide range dual power supply input (M12 5-point connector). Typical power consumption is 7W, it can be also be powered from the data cable according to the IEEE 802.3af standard).

Ethernet signals are available on two M12 8-point waterproof connectors.

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 with the EN 50155 and EN 60945 standards.

WLg-ABOARD/NP 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, Mozilla ...), no specific software's or drivers are required on the computer. An SNMP agent is also provided for administration.

WLg-ABOARD/NP is a rugged equipment designed for applications in road and rail transportation, depots, warehouses, agriculture, manufacturing floors, docks, distribution centres, shipyards and lumberyards ... it can be mounted in trucks, trains, tramways, freighter ships, forklifts, trailers, tractors or cranes, for material handling, real-time information transmission, and inventory management.