

**WiFi (automotive E2)
RS232 / RS422 / RS485
serial device server**

ACKSYS characterizes its range of wireless communication solutions (WiFi) by introducing a new model designed for embedded applications in the transportation fields.

WL-ABOARD/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 (RSMA connector) for a 300m coverage range.

It is powered from a +7VDC to +60VDC wide range power supply input.

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 +80°C, shock proof and vibration proof according to MIL-STD-810F standard, seal rating IP66 for protection against dust and water projections.



WL-ABOARD/S 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.

WL-ABOARD/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.

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