

For your automation solutions

## Collaborative Automation Partner Program

*Interoperable* industrial *wireless*  
SCADA network communications



Schneider Electric  
and ACKSYS  
Communications  
& Systems



**Schneider**  
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*Building a New Electric World*

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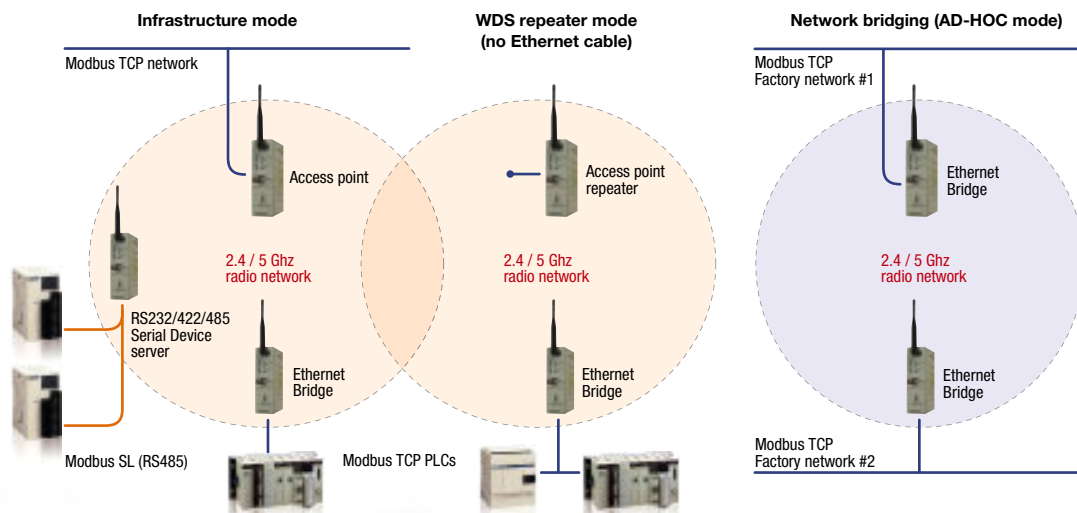


ACKSYS designs and supplies a wide range of wireless equipment tailored for factory and building automation, automotive applications and hazardous environments.



*Our wireless network solutions rely on the IEEE 802.11 a/b/g/h WiFi standard for total interoperability with legacy systems, creating opportunities for greater flexibility and lower installation and operating costs of industrial systems.*

### Wireless network topologies



### Solutions for factory automation

- Reversible serial Modbus to Modbus/TCP data gateway
- Wireless Modbus/TCP or Ethernet/IP cable
- Scanning I/O support
- Din Rail mounting
- +9VDC to +36VDC power supply input



Car manufacturing requires a multitude of processes over hundreds of steps on many machines. Wireless connections reduce the need for PC based control systems on the factory floor. Wireless connectivity increases factory worker mobility and efficiency, reduces hardware acquisition and management costs, facilitates centralized monitoring/tracking, minimizes production line refitting, and allows the connection of heterogeneous equipment. In brief, wireless connectivity saves money, reduces waste and improves factory productivity!



Aboard series

### Solutions for automotive

Because cables have to withstand a great deal in tough industrial environments and can be expensive to install or replace, wireless solutions are an ideal alternative for remote-controlled dockside cranes.

- Rugged vibration-proof & shock-proof IP66 aluminum enclosure
- Wide range dual power supply inputs, from +9VDC to +75VDC
- Operating environment from -25°C to +70°C
- Connection through stuffing box or waterproof M12 connectors
- Optional high power radio interface for long range communications

Wireless clients (Ethernet & serial) are installed on the crane and can make contact with access points up to 1000 meters away to connect with the dockside control apparatus.

### Solutions for hazardous environments: ATEX

- ATEX level EX II (IP66) rugged enclosure
- Operating environment from -25°C to +70°C
- Optional high power radio interface for long range communications

Facilities in oil & gas, refining, mining, petrochemical and chemical processing typically have areas which contain explosive or hazardous atmospheres. The instrumentation and automation systems used in these areas must be designed to ensure that they work safely at all times.



ATEX series



Compact series

### Solutions for building automation

Using a wireless backbone for multiple building systems can reduce engineering, construction, and operating cost over the entire life of the building.

- Compact size for easy integration
- Ready to use pack for instant Ethernet cable replacement
- Web based configuration, SNMP administration

Building operators and maintenance personnel can track building operations wherever they are. Whether for retrofit or new construction, wireless connectivity can save wiring and enhance system performance with several systems connected to the same wireless backbone. Wireless systems can be used for lighting and HVAC while also monitoring fire and security, and future changes such as when moving walls and office cubes are greatly simplified.





# > Your partner in wireless serial & network communications

Lets Ethernet/IP, Modbus/TCP & serial Modbus go wireless...

ACKSYS wireless solutions offer superior network architecture and installation flexibility, increase the mobility of devices that need freedom of movement, reduce moving and cabling costs (especially in hard-to-cable or hazardous areas), and reduce installation time and maintenance costs while protecting existing investments:

- Access Point, WDS Repeater and wireless Ethernet Bridge
- Multi-standard IEEE 802.11 a/b/g/h support, very high speed up to 108 Mbps
- Wireless serial Modbus to Modbus/TCP data gateway
- Wireless Ethernet or serial virtual cable
- Optional 400 mW high power radio
- Enhanced security (WEP, WPA, WPA-2, IEEE 802.11x Radius)
- Tailored for Industrial automation & hardened for harsh environments



## More service with Schneider Electric's worldwide coverage

### ■ Permanent worldwide availability

With over 5000 sales outlets in 130 countries, wherever you are, you can be sure of finding a full range of products that meet your needs and fully comply with the standards in your country.

### ■ Technical support

Wherever you are Schneider provides technical support around the world.

What's more, Schneider's experts are at hand to work out a customized solution with you.



Since 1984, ACKSYS Communications & Systems has specialized in the design and supply of data communication equipment, including wireless network solutions, serial Modbus to Modbus/TCP data gateways, serial device servers (Ethernet, USB & WiFi), media converters, serial communication controllers, and MIL-STD-1553 & HDLC for avionics test and simulation.

The keystone of the company is our four fundamental values: longevity, performance, reliability and quality, to satisfy the most severe requirements in factory and building automation, oil and gas industry, rail, on-road and marine transportation fields.

Through our distributor network, ACKSYS is present in 20 countries throughout North America, Europe, South Africa, the Middle East, South-East Asia and Australia.

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