Collaborative Automation
by

Schneider Electric

ACKSYS Communications & Systems

Schneider Electric Collaborative Automation Partner Program

PMXNOW0300

WLg-ABOARD

WLg-IDA/N

Introducing ACKSYS

Founded in 1984, ACKSYS Communications & Systems has become a Schneider Electric partner in 2005. French manufacturer with high quality standards, ACKSYS designs and manufactures data communication equipment. Thanks to its strong know-how, ACKSYS has naturally emerged as a major player in WiFi technology solutions for automation and control applications. With appropriate products, innovative & sustainable solutions and professional support, ACKSYS is able to meet accurately its customers' specific needs.

Total Services

With its recognized expertise, ACKSYS' team is able to assist customers at every stage of the project: definition of customer needs, upstream studies (elaboration of a technical file), on-site radio coverage survey, recommendations and support during the equipment's deployment. Moreover, thanks to a qualified and structured distribution network, ACKSYS is present on the five continents and can therefore meet every industrial application need, every time.

Total Systems

ACKSYS' comprehensive range of wireless solutions includes: Ethernet switches with built-in WiFi, access points, bridges, mesh repeaters, serial-to-WiFi gateways, etc. These products support most of the industrial Ethernet protocols such as Modbus/TCP, Ethernet/IP, Profinet, Modbus RTU, etc.

Total Solutions

By combining Schneider Electric's expertise with ACKSYS' WiFi know-how, joint customers get a global automation solution for:

> Mobile applications (hoisting, lift, material handling, transportation and rotating machinery)

> Harsh environment applications (oil & gas, mining…)

> Industrial processes (water/wastewater, F&B, power & renewable energy, waste recycling, automobile, industrial furnace, machine manufacturers…)

> Building management (HVAC, lighting control…)
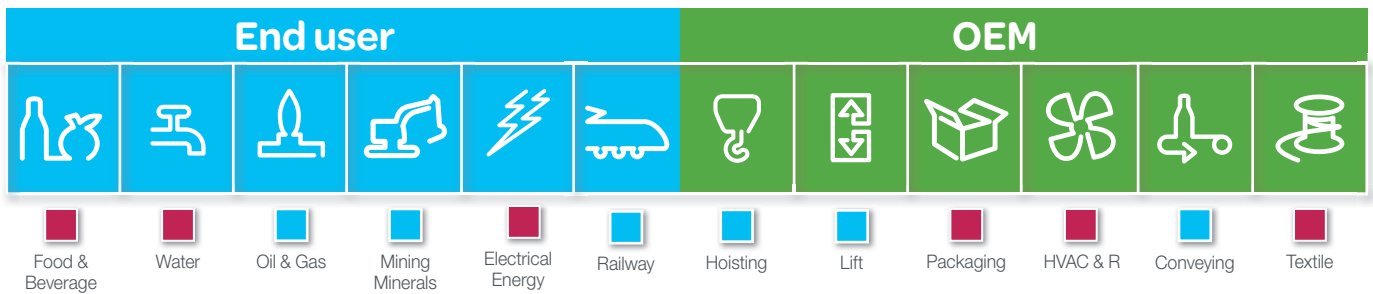
Unique value proposition

Only ACKSYS provides solutions specifically studied and designed for Schneider Electric that fully complete its existing offer and provide additional functionalities to its products. For example, PMXNOW0300 dedicated to M340 & M580 platforms, complements and enhances their communication capabilities. This wireless module is a single-slot, powered backplane, in-rack and form factor compatible solution for these PLCs. This module provides a total WiFi solution (access point, bridge & repeater) in addition to a 3-Port Ethernet Switch, supports point to point or point to multipoint communication configurations and is compatible with all Ethernet based protocols including Modbus TCP, EtherNet/IP, etc … PMXNOW0300 allows wireless access to M340 and M580 for HMI visualization (with Vijeo Design'Air), remote monitoring and data exchange between PLCs.

● **Major player in WiFi technology designed to be comfortable in demanding automation and control applications**

● **Ability to assist the customer at any stage of the project**

● **Provides solutions specifically designed for Schneider Electric**

Market served

■ Primary sectors of activity   ■ Secondary sectors of activity

End user						OEM					

Food & Beverage	Water	Oil & Gas	Mining Minerals	Electrical Energy	Railway	Hoisting	Lift	Packaging	HVAC & R	Conveying	Textile
■	■	■	■	■	■	■	■	■	■	■	■

Areas of expertise

> **Industrial wireless network connectivity**   > **WiFi industrial network security**

> **WiFi network design and audit**   > **Extensive technical knowledge of harsh environment**

Authorized CAPP products

Authorized CAPP products	Product description	Distinguishing characteristics
PMXNOW0300	Dual-band (2.4 & 5 GHz) WiFi access point, bridge and repeater for M340 & M580 PLCs.	2-in-1 product: 3-port Ethernet switch and WiFi functions. Single-slot, in-rack & form factor module for M340 & M580 platforms.
xROAD & ABOARD ranges	Dual-band (2.4 & 5 GHz) WiFi access points, bridges and repeaters for automotive applications, outdoor integration and/or harsh environments.	Rugged devices (shock & vibration proof, rugged connectors, IP66 enclosure), extended temperature range, fast roaming for seamless connectivity. Support Mesh mode and any type of Ethernet protocol.
ATEX range	Dual-band (2.4 & 5 GHz) WiFi access points, bridges and repeaters for explosive environments.	ATEX devices (EX II 2GD Eex d IIC), aluminum IP66 enclosure, 2-port Ethernet, Universal AC or DC (24V) power supply. Support any type of Ethernet protocol.
IDA range	Dual-band (2.4 & 5 GHz) WiFi access points, bridges and repeaters for industrial processes.	DIN rail mounting, dual input DC power supply, 2-port Ethernet and C-KEY for quick configuration save & restore.
Compact range	Dual-band (2.4 & 5 GHz) WiFi access points, bridges and repeaters for automation or building applications.	Discrete and small-sized products for integration into exiguous environments.

For more detailed product information, please consult: http://www.acksys.fr

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