

Tomorrow begins today

CORPORATE OVERVIEW



ACKSYS
COMMUNICATIONS & SYSTEMS

At a glance

SINCE 1984, ACKSYS COMMUNICATIONS & SYSTEMS HAS ACQUIRED A STRONG KNOW-HOW IN DESIGNING AND MANUFACTURING INDUSTRIAL DATA COMMUNICATION SOLUTIONS (WLAN / LAN / SERIAL).

Its expertise and high quality standards allow it to meet the most severe requirements in transportation (rail & road), industry (SCADA, automation), military (marine, land, air), aeronautics, mining (underground and above ground), oil & gas and environment (renewable energy, water, waste water).

Its inbuilt engineering, technical and commercial teams are able to meet accurately the expectations of its customers and assist them from the definition of their needs to the deployment.

Thanks to a qualified and structured distribution network, ACKSYS is present on the five continents and can therefore meet any industrial application need, any time.

1984

ACKSYS starts its activity by developing high-performance CPU powered synchronous communication controller boards. These controllers are dedicated to the management of specific serial links and allow military, aeronautical or telecom equipment connections. For 15 years, the company is likewise very successful in the transportation field (railway signaling, crossroad lights management...).

2004

Demonstrating intuition, ACKSYS quickly understands that wireless communications based on WiFi technology will grow exponentially in the industrial environment. That is why the company innovates again and launches one of the first WiFi access points and Ethernet bridges dedicated to industry. Boosted by the success met and always listening to its customers, the company quickly extends its WiFi offer for road and railway transportation markets (buses, trains, subways and tramways).

1992

ACKSYS increases its expertise in networks and develops the first multiport serial-to-Ethernet device server.

NOWADAYS

ACKSYS' strong desire to provide industrial communication solutions tailored for each market enables it to have a relevant and comprehensive offer for transportation, industrial processes, mining, oil & gas...

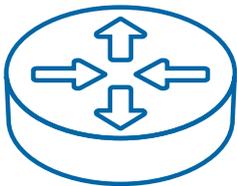
A wide range of solutions...



WiFi SOLUTIONS

ACKSYS designs and supplies a wide range of wireless devices (access points/clients/repeaters/Ethernet switches with WiFi/WiFi routers/Mesh routers/cellular routers/serial to WiFi gateways...) for the the most varied and the most severe environments.

Thanks to its extensive technical knowledge, ACKSYS is able to build highly-available wireless networks and thus meeting accurately every industrial application need.



SERIAL GATEWAYS

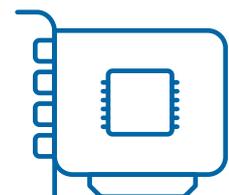
> Serial to Ethernet or serial to WiFi: these gateways interface any serial device (RS232/RS422/RS485) to an Ethernet or WiFi network for data acquisition, maintenance and inter-PLC communication. These products support COM port redirection, RAW mode, Modbus serial <> Modbus TCP gateway functions... for point-to-point or multipoint topologies.

> Serial to USB: ACKSYS also provides dongle and DIN rail serial to USB gateways. These external gateways offer an easy plug and play solution to connect serial devices to a PC or laptop.



CONVERTERS

ACKSYS offers a complete range of media converters for interfacing heterogeneous serial devices: RS232, RS422, RS485, optic fiber and current loop. Dongle, DIN rail, compact or rugged housing and isolated models are available to be integrated into any application.



SERIAL BOARDS

> Multiport serial boards are fast and modular systems to add up to 64 COM ports to workstations and PCs.

> Synchronous serial boards enable the management of HDLC, BSC, monosync, bisync serial links or any other specific protocol developed upon request.

ACKSYS' comprehensive selection of PCI and CPCI serial boards is ideal for industrial and sensitive applications (test beds, supervision, embedded systems, calculators...).

for the most demanding markets



TRANSPORTATION (TRAINS, TRAMS, BUSES)

- > Train-to-trackside and carriage-to-carriage communications
- > Data loading / offloading at the depot
- > CCTV, passenger information systems, VoIP, CBTC, vehicle diagnostic and maintenance, ticketing, AVL...

INDUSTRY

- > Supervision, automation, command and control systems
- > PLC communications
- > Monitoring, process-control of automated/automotive devices
- > Remote I/O control

MINING (UNDERGROUND & ABOVE GROUND)

- > Remote control and monitoring of automated vehicles
- > Accurate and real-time payload data
- > IP remote video streaming
- > Proximity detection systems

OIL & GAS

- > Rig-to-ship & rig-to-shore communications
- > Wireless surveillance and monitoring
- > Geolocation of people and goods (WiFi RFID tags)

MILITARY (MARINE, LAND, AIR)

- > On-board wireless communications, calculators, messaging systems
- > Test and validation beds, simulators
- > Tactical & radar data acquisition
- > Remote operation units
- > Communication gateways

ENVIRONMENT (RENEWABLE ENERGY, WATER TREATMENT...)

- > Renewable energy production
- > Wind farms vibrations monitoring
- > Water treatment telemetry
- > Equipment remote control and maintenance



A partner to go further

> RELIABILITY AND ROBUSTNESS

ACKSYS' products are designed to be used in harsh environment (extended temperature range, humidity, shocks and vibrations, EMC perturbations...), this is why their manufacturing components are carefully selected, controlled and submitted to endurance tests. According to their reference, they come with a 5-year warranty or lifetime warranty.

> LONG LASTING PRODUCTS

In order to provide long lasting solutions to its customers, ACKSYS works closely with its suppliers to foresee any eventual obsolete products and thus back-up its product line to avoid any stock rupture. ACKSYS also pay attention to develop products compatible with existing solutions. All the products have an average life cycle of 10 years.

> RELEVANT SOLUTIONS

ACKSYS develops tailored solutions designed to fit its customers' specific business needs and unique application environment: PCI and CPCI boards, rack and DIN rail mounting, desktop or compact cases, waterproof or explosive resistant enclosures, OEM modules... And beyond all that, ACKSYS is also able to adapt its products upon request (firmware customization, ODM solutions,...). All ACKSYS' products are compliant with the standards in the various targeted markets.

> CUSTOMER SERVICE COMMITMENT

ACKSYS COMMITS TO PROVIDE STATE-OF-THE-ART TECHNOLOGY, PRODUCTS AND TRAINING TO KEEP ITS CUSTOMERS IN THE FOREFRONT OF THE COMMUNICATIONS AGE.

ACKSYS has developed a solid pre-sales and after-sales process to ensure that customers receive the highest level of support. ACKSYS can advise and assist its customers at every stage of their projects: system diagnosis, definition of needs, upstream studies, on-site radio coverage survey, recommendations, support during the deployment, training seminars, consistent technical assistance... ACKSYS also pay attention to provide its distributors and VARs with the necessary product knowledge to enable them to support its customers all over the world.



ACKSYS

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