



Offering you the best solutions for all your needs
in serial, network and wireless communications

ACKSYS
COMMUNICATIONS & SYSTEMS

Committed customer service . . .

Since its creation in 1984, ACKSYS has acquired a solid reputation in the development and manufacturing of data communication solutions, specializing in serial, network and wireless technologies.

With expertise and extremely high quality standards, our products are recognized for their performance in the most demanding environments such as transportation (railway, on-road, naval and maritime), energy production and distribution, aeronautical, mining, water treatment, agro-alimentary, and the petrochemical industry (explosive environments).

Our engineering and technical teams follow your project starting with needs assessments through implementation and throughout project development.

As a French manufacturer with locations in more than 20 countries on five continents thanks to a well-structured distribution network, we are committed to offering a high level of availability of our products to large-scale international customers.



Our assets

Priority with reliability and robustness

Because our products are designed to be used in harsh environments (extended temperature range, humidity, shocks and vibrations, EMC perturbations), we have stringent selection and control manufacturing processes.

Guaranteed for their reliability and their robustness, our products are submitted to endurance tests in a climatic chamber at the end of their production cycle, and come with a 5 year guarantee or life warranty according to product references.

Long-lasting solutions integrated from the beginning of the design

With the willingness to offer long-lasting solutions, we abide by a rigorous selection of components capable of meeting these constraints. We work closely with our suppliers to foresee any eventual obsolete products thus allowing us to back-up our product line to avoid any stock rupture.

During the development of new products, we ensure a functional compatibility with the existing solutions.

All our products have an average lifespan of 10 years.

On request, we are capable of manufacturing products which are no longer available from our catalogue.

Solutions adapted to each need

Because each application is different, we have solutions adapted to each type of integration: PCI and CPCI boards, rack and DIN rail mounting, desktop or compact cases, waterproof or explosive resistant enclosures, OEM modules ...

Our products are compliant with the standards in the various targeted markets: railway standards, ATEX (explosive environments)...

... for the most demanding markets



Industry

- > Supervision, process and control command
- > Wired and wireless PLC communications
- > Heterogeneous industrial network interfacing
- > Supervision in explosive environments
- > Monitoring, process-control of automated devices
- > Monitoring, process-control of automotive equipments
- > Remote I/O control

Transportation

(City buses, trains, trams, maritime)

- > Data downloads and uploads
- > Real Time Passenger Information system (RTPI)
- > Wireless CCTV for surveillance systems
- > Train to train and train to track communications
- > Signalling equipments



Military

- > Test beds for encoding equipments
- > Validation beds for radio sets
- > Tanks simulators (firing and driving assistance)
- > Missiles launch range
- > On board vessel calculators and messaging systems
- > Tactical and radar data acquisition (command chain)
- > Remote operation units (shelters) for automated devices and mine-clearing tanks
- > Communication gateways (heterogeneous networks communications)

Aeronautics

- > Test beds for inertial stations
- > Development equipments and validation beds for engines computers
- > Embedded operator visual display units
- > Flying simulator (electronic war training)
- > Radar data acquisition
- > "Flying test bed" (FTB) for jet engines
- > "On-board" wireless communication



Environment

- > Renewable energy production (solar farms, wind farms)
- > Wind farms vibrations monitoring
- > Water treatment telemetry
- > Decanting tanks alarms reporting
- > Optimisation of industrial cold chains management
- > Equipments remote control and maintenance



Data Communication: to each according to their needs



ACKSYS designs a range of COTS solutions. In order to perfectly meet the customer's needs, we can customize our products to fulfil specific application requirements.

A wide range of products

- Solutions for wireless communications (access points, WiFi bridges and repeaters, Ethernet / serial cellular modems)
- Rugged Ethernet switches (WiFi and wired)
- Protocol data gateways, Modbus serial ↔ Modbus TCP
- Ethernet and WiFi serial servers
- Media converters (RS232/ 422/ 485, optic fiber and current loop)
- Multiport serial boards
- Serial device servers ↔ USB
- Serial HDLC and synchronous communication boards (protocol management)
- Intelligent and programmable serial communication boards
- Test and simulator boards for aeronautics (MIL-STD-1553)



Customised services and products

- Services provided: on-site expertise, specifications drafting/analysis, radio-communications site survey, technical support, on-site assistance, training ...
- Engineering: product development or customization according to customer's specifications



To read more information on our product range: www.acksys.com

Close to you

ACKSYS has built a strong distributors and value added resellers network.

With locations on the five continents (North America, Europe, South Africa, Middle East, South-East Asia and Australia), we are able to guarantee high availability of our offer, wherever you are located.



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