



IIoT solutions for remote machine management



Inhand & Alcom



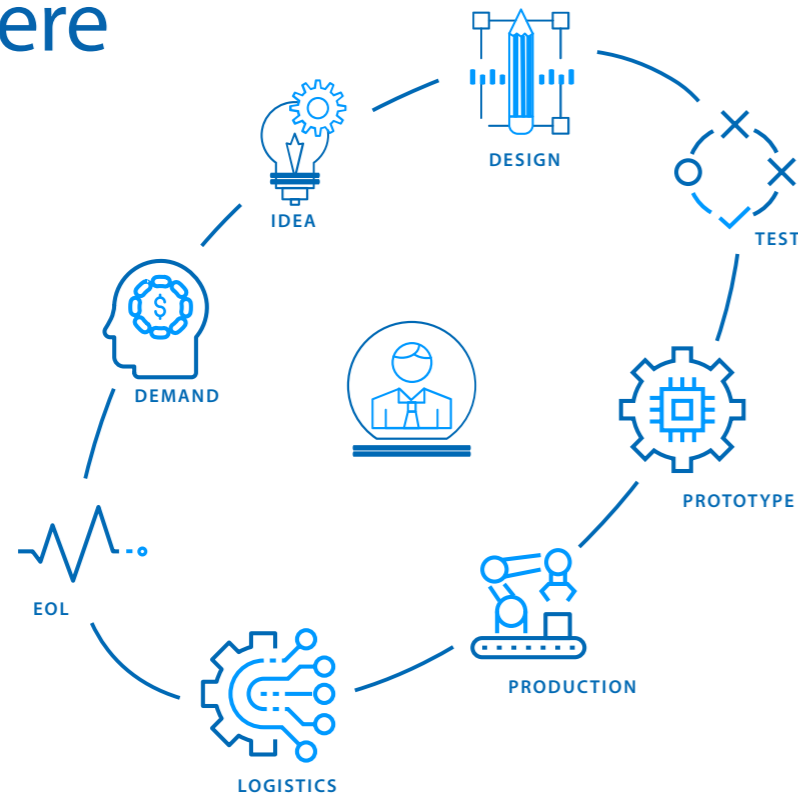
Remotely Manage Your Machines with IoT Edge Technologies

Alcom offers a comprehensive product portfolio that includes M2M communication devices and cloud/edge IoT solutions that are widely applied in energy, industrial automation, transportation, retail, healthcare, and environmental markets.

In today's fast-paced and interconnected world, manufacturers are constantly seeking efficient solutions to remotely monitor and manage their machines to boost productivity, reduce downtime, and thus gain greater competitive edge. How can IoT technologies help manufacturers achieve their goals? With massive data to acquire, how to leverage edge computing technologies and process data more intelligently and efficiently?

Get in touch with your Alcom contact person to discuss and learn more about our IIoT solutions for remote machine management!

Co-creation starts here



Alcom considers everybody an indispensable added value in the collaborative chain with all of its partners.



Applications & Markets



SMART GRID



INDUSTRIAL AUTOMATION



BUSINESS INTERNET



TRANSPORTATION



HEALTHCARE



RETAIL



SMART CITY



ENERGY



ENVIRONMENT

Innovative Products & Solutions



IOT SOFTWARE



EDGE ROUTER



INDUSTRIAL CELLULAR ROUTER



VEHICLE GATEWAY



VEHICLE TELEMATICS GATEWAY



IOT EDGE GATEWAY







EMBEDDED BOX PC



TABLET PC




Cellular Routers

InRouter series is a full portfolio consisting of compact LTE M2M InRouter300 industrial routers, cost-optimized InRouter600 and high-end InRouter900 cellular routers for industrial and enterprise environments. InRouter series offers features such as Ethernet, Wi-Fi, serial ports, VPN security, dynamic routing and failover, providing reliable connectivity and business continuity solutions. Available with LTE CAT 6/CAT 3/CAT 1/CAT M1/NB-IoT, InRouter series is able to deliver reliable, secure and cost-effective LTE connectivity for various IoT applications.

	5G	LTE CAT6	LTE CAT4	LTE CAT1	LTE CAT M1	NB-IoT
InRouter900 			✓			
InRouter600 			✓	✓		
InRouter300 			✓	✓	✓	✓
InRouter200 			✓			



Edge Routers

The EdgeRouter is a new generation 5G edge router series launched for branch networking. It provides simple, convenient, and secure network access services for enterprise business networking. With a wide range of 4G/5G cellular networks and broadband services, EdgeRouter offers convenient and fast network access. Using SD-WAN technology, EdgeRouter provides higher quality and more stable network connectivity services for industry applications, enabling worry-free network services. With its zero-touch deployment, comprehensive security, and agile network link services, it provides high-speed network services for enterprises to achieve informationization, networking, and digitization.

	5G	LTE CAT6	LTE CAT4	LTE CAT1	LTE CAT M1	NB-IoT
EdgeRouter800 	✓	✓	✓			
EdgeRouter600 	✓	✓	✓			
EdgeComputer900 		✓	✓			


IoT Edge Gateways

IoT edge gateway is designed for edge computing applications in IoT, Smart Manufacturing, Automation and etc. It supports Docker and Python programming, Modbus, MQTT and various protocols. With Microsoft Azure IoT and AWS IoT Greengrass Certified, the InGateway is able to deliver secure and reliable Edge-to-Cloud connectivity for your IIoT applications.

	5G	LTE CAT6	LTE CAT4	LTE CAT1	LTE CAT M1	NB-IoT
InGateway902 			✓			
InGateway502 			✓	✓		





Cellular Modems

The InDTU series cellular modem provides wireless data communications between field serial devices and the central control system to enable remote control of industrial field sites. Featuring rugged design, small form factor, high reliability and easy-to-use features, the InDTU is ideal for M2M and IoT applications including distribution automation, smart metering, water & wastewater, heating, street light monitoring and etc. It is available with LTE CAT 4, CAT M1, CAT NB1, and EGPRS globally.

	5G	LTE CAT6	LTE CAT4	LTE CAT1	LTE CAT M1	NB-IoT
InDTU324 			✓		✓	✓

Vehicle Networking

The InVehicle series gateways and trackers provide reliable and secure real-time communications for data demanding mobile scenarios, such as first responder operations, heavy equipment monitoring and special transport tracking.

	5G	LTE CAT6	LTE CAT4	LTE CAT1	LTE CAT M1	NB-IoT
InVehicle G8110 			✓			
InVehicle G810 	✓	✓	✓			
InVehicle G710 	✓	✓	✓			
InVehicle T300 			✓	✓	✓	

New product releases

CELLULAR GATEWAY FOR IT FOR PUBLIC TRANSPORT (ITXPT)

The InVehicle G814 cellular gateway provides high-speed and secure network access for public transportation, including bus, tram, metro, light rail and train. It's all in one design integrates 5G or LTE Advanced, high-speed Wi-Fi, Gigabit Ethernet and CANBus to provide fast, reliable and secure network access for in-vehicle networking and Internet connectivity.



ON-BOARD 4G CELLULAR GATEWAY

The InVehicle G710 4G LTE gateway provides high-speed and secure network access for vehicles and transportation services, including special-purpose, heavy equipment, law enforcement, emergency, engineering and ambulance vehicles. The cloud-based fleet management platform provides continuous supervision for logistics management, asset tracking, mobile offices and government security works.



INDUSTRIAL LTE ROUTERS NOW E-MARK CERTIFIED

The IR302 and the IR305 industrial LTE routers are now E-Mark certified! This means both products can now serve connectivity needs in vehicle-related scenarios. Integrating 4G LTE, Wi-Fi, and VPN technologies, the IR300 delivers fast, reliable and secure connectivity at competitive prices.



PORTABLE 4G ROUTER

The CR202 is a portable 4G cellular router with both wired/cellular network access modes for your business need, combined with a free InHand device management cloud platform to provide you with a more agile, cost-effective, and stable networking solution without conventional limitations.



VEHICLE TELEMATICS GATEWAY

The VT300 is a series of rugged and functionally capable vehicle telematics gateway. Integrating extensive interfaces, multiple diagnostic protocols and major IoT clouds, it delivers reliable vehicle data in some of the most challenging environments that involve severe cold or scorching heat, and/or water immersion, while remaining budget friendly.



EDGE COMPUTER 900 IOT EDGE COMPUTER

The EC900 series edge computer (EC900) is a high performance edge computer developed for industrial IoT applications. The EC900 is providing a powerful computing platform with an ARM Cortex-A55@2.0GHz quad-core processor and 4GB of RAM and 16GB of eMMC FLASH. Based on Debian OS, the EC900 provides a secondary development platform with support for C/C++ /Java/Python/.Net/JavaScript, etc, which is easy for users to develop and port applications.



Alcom product portfolio

ELECTRONIC COMPONENT SOLUTIONS	WIRELESS EMBEDDED CONNECTIVITY & SENSORS	WIRELESS & INDUSTRIAL CONTROLS NETWORKING	DISPLAY & TOUCH
LED & SOLID STATE LIGHTING	POWER & EMC	RUGGED MOBILE COMPUTING	EMBEDDED SYSTEMS, AI & EDGE COMPUTING

- Semiconductors
- Frequency & timing
- Power management
- Circuit protection & discretes
- Magnetics
- Passives & electromechanical
- Connectors & cable assemblies
- Photonics

- Wireless modules
- Antenna's
- Sensors

- Routers & gateways
- Wireless embedded computers
- Industrial ethernet and IP variations
- Wired & wireless machine networking
- Antenna's
- Device to cloud solutions
- Connectivity & remote management services
- Networking & connectivity

- Displays
- Touch screens
- Optical bonding
- Total display solutions

- LED light sources
- Optics
- Thermal management
- Power & intelligent controls
- LED modules

- AC/DC power supplies
- DC/DC converters
- Power management modules
- Wireless charging
- E-mobility solutions
- Transformers & power inductors
- UPS
- EMC filters

- Tablets
- PDA's
- Vehicle mount computers
- Accessories

- Computer-on-modules
- Embedded boards
- Industrial PC & automation
- System integration

Bridging the gap between technology, people and business with a human interface.





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Get to know us

ALCOM PROVIDES THE WORLD'S MOST ADVANCED TECHNOLOGIES.

With a team of like-minded entrepreneurs, Alcom will continue to inspire its valued customers to use advanced innovative building blocks in vertical markets. The importance of providing high-level services and a human interface based on specialism, knowledge and design-in expertise will remain key differentiators.

Alcom is positioned for growth. We invite all our customers to discuss their current and future concepts and designs. Let's connect, work and grow together.

