InHand Networks
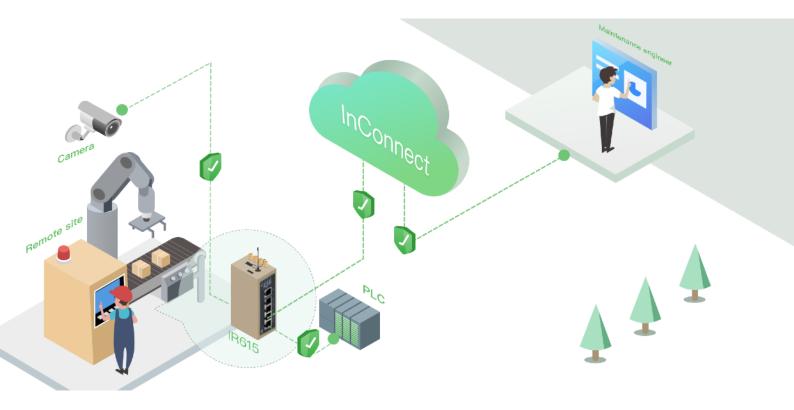
Simple and Secure Remote Connection

InHand Connect

Cloud Connection Service

The InConnect is a simple "plug & play" solution that enables users to connect various field devices (IPCs, servers, IP cameras, PLCs, HMIs, RTUs, controllers, etc.) into the same network for remote management. Featuring user-friendly interfaces and simple operation, the SaaS (Software as a Service) based solution ensures instant and constant connectivity with your business and with the world.

With InConnect Cloud Service, users can quickly construct IoT networks, stay informed of the real-time status of onsite devices, and perform remote maintenance, diagnostics and monitoring. The InConnect also provides reliable, convenient and secure data aggregation service for IoT big data collection, transmission and analysis.

Features and Advantages

Quickly build remote network at low costs

Traditionally, to build a virtual private network (VPN), the user has to apply to the carrier for an Internet line with a public IP address, which involves a high application fee and long implementation period.

The InConnect does not need the investment of a public IP Internet line or hardware VPN firewall. It just requires that the InHand networking devices connect to the Internet through 4G LTE or a wired link.

Multiple end access, multiple access strategies

Supports remote access to and control of onsite devices. The security mechanism of the gateway can restrict connectivity between devices, so that the user can have complete control of the network.

Automated configuration, easy to use

The InConnect provides automated network connection when routers and other devices are connected. With smart IP mapping, the user does not need to change local network configuration, and little knowledge in IT/OT is required. The InConnect can also automatically scale up bandwidth and computing resources based on network load.

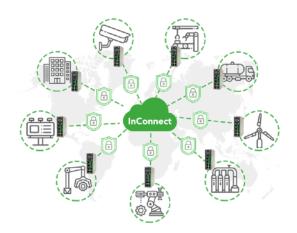**Data encryption, secure and reliable transmission**

The InConnect features a highly secure cloud server, combined with multiple layers of protection including advanced access control of devices, multi-layered encryption, etc., ensuring network security.

Multiple types of terminal devices, flexible expansion

The InConnect supports connection of Windows or Linux computers, Android phones, iPhones, iPads and Android tablets, and of various devices including PLCs, HMIs and IP cameras. It does not require reconfiguration for business expansion. The user can add or remove sites based on business needs.

"One-stop" connection service

Integrating reliable networking devices and software platform, the InConnect delivers "one-stop" connection service, lowering your costs of choosing devices and platforms. Deployed in the cloud, the InConnect requires no operation, maintenance or management.

Access Types

Access Types of InConnect		
No.	Type	Description
1	User to device	User can access all devices with the user authorization
2	Between sites	Both sites can access each other
3	Between devices	Both devices can access each other
4	Between multiple sites	Multiple sites can access each other

User-to-device

Site-to-site

Device-to-device

Multiple-to-multiple

Functions

InConnect	
Network Management	
User Node Management	Automated configuration, multiple end connection, user time control
Router Site Management	Smart virtual IP mapping, web management, configuration management, firmware upgrade
Terminal Management	Smart virtual IP mapping, support for multiple types of terminals
Remote Connection	Remote networking and connection
Traffic Statistics	Traffic consumption statistics of remote connection
Router Management	
Site Details	IP address, mobile phone number, address, signal value, IMSI, IMEI, ICCID, etc.
Basic Management	Web management, configuration management, firmware upgrade
Operation Analysis	Carrier's traffic statistics, online statistics
Task Management	Management of the current task process and status of routers
Network Access	
Router	Maximum number of access points for each registered account is 4000
Terminal Device	Each field router node supports access of up to 254 devices
"One-stop" InHand Devices Supported	
Model	InHand's InRouter 611-S, InRouter615-S, InRouter912L, InRouter915L, InGateway902, etc.
AWS Cloud Deployment	

About Us

InHand Networks is a global leader of Industrial IoT, with a record of tremendous success following groundbreaking innovation since our inception in 2001.

InHand serves world-class partners and customers with industrial M2M routers, gateways, industrial Ethernet switches, rugged computers and IoT management platforms. We provide IoT solutions for various vertical markets including Smart Grid, Industrial Automation, Remote Machine Monitoring, Smart Vending, Smart City, Retail and more.

Proudly bearing the marks of AWS Select Technology Partner, Schneider Electric TPP Certified Technology Partner, and Rockwell Automation Encompass Product Partner in Asia-Pacific, InHand Networks defines industrial innovation and reliability.

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