



# InCloud Manager

Cloud based networking solution for branch, enterprise, and IoT

InCloud manager has intuitive graphical management interface and simple operation process. It can meet the requirements of one-stop remote deployment and centralized management of networks and communication devices for branch, enterprise and IoT applications.

InCloud facilitates enterprises to migrate their network management work to the cloud, which can liberate IT personnel free from repetitive network operation, allow them to spend less time on managing network and network infrastructure, therefore focusing more valuable things for themselves and for company.

InCloud manager combined with InHand ER805 edge router to create intelligent, simple, secure network cloud management solutions, can help enterprises in the premise of not increasing the budget to achieve efficient business growth, reduce management cost, increase efficiency and enhance the competitiveness of digital business development.

## Key Features

- Unified management of cellular, wired, and wireless networks
- SD-WAN overlay fast networking between branches
- Cloud VPN policies quickly establish remote connection channels
- Automated network monitoring, alarm, and diagnosis
- Planned firmware upgrade
- In-depth network quality analysis
- Comprehensive network traffic and status monitoring
- Full network visibility and flexible network control
- Enhanced mobile APP management

## Cloud Managed Networks

The cloud management mode of InCloud can quickly centralize resources. After network infrastructure is connected on cloud, the site no longer needs personnel on duty. IT personnel can access the business outlets from any position, breaking all kinds of distance, geography and climate restrictions; Control network anytime and anywhere to improve management efficiency and network flexibility.

### ◆ Zero-contact Rapid Deployment

Non-IT personnel can easily complete the on-site installation of plug and play devices, and connect the devices to the internet after simply powering on the SIM card. IT personnel can implement the initial configuration of the device from the cloud without leaving home.

### ◆ Site Distribution Map

Through the unified map view, we can intuitively know about the network distribution of the whole business and the network connection status of the site.

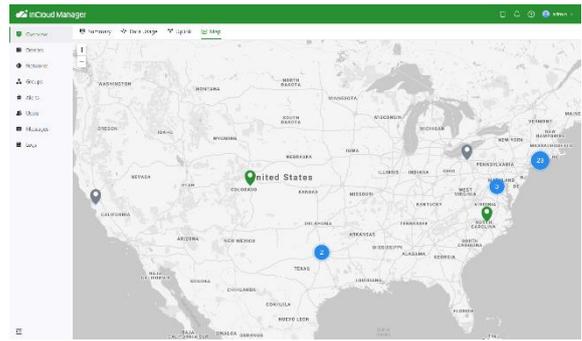


Figure 1 · Site distribution map

### ◆ Scheduled Firmware Upgrade

InCloud manager supports scheduled upgrade tasks for batch devices, which are automatically upgraded at scheduled points in time so that IT staff can focus on more important things or enjoy carefree leisure time.

### ◆ Flexible Network Configuration

InCloud manager use the Web UI instead of the CLI, and intuitive configuration options to simplify the configuration. It supports configuration replication to quickly obtain the full-service configuration. IT personnel can use group management to immediately apply to batch devices that has common configuration requirements. In addition, the device configuration based on InCloud Manager can achieve offline operation, separation of configuration and deployment, making cloud collaboration more

### ◆ Automatic Network Monitoring and Alarm

To enhance the agility of network management, IT personnel can set alarm policies for a large number of devices on InCloud manager. After faults occur, they can receive abnormal notice and handle network faults immediately, reducing service losses caused by network interruptions.

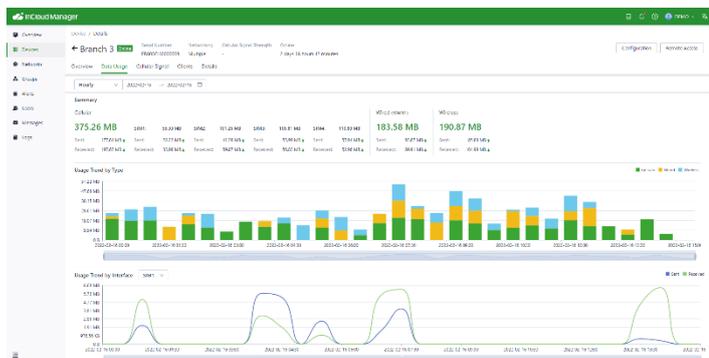


Figure 2 · Network visibility

### ◆ Network Visibility

Thanks to the network infrastructure and visible network status, IT can quickly learn network health status, service traffic status, signal quality status from data graph. They can also insight into business issues, predict business risks from the data, therefore process network fault, shorten the response time, or even eliminate the potential hazard in advance, Ensuring service stability and good experience in the enterprise network environment, and ensure the development of key services.

### ◆ Client Management

InCloud manager provides full list monitoring of network members, which can intuitively understand the number of clients under the current network, connection type, connection duration and usage flow and other important information, so as to analyze the stickiness of the client and gain business insight.

## SD-WAN

Traditional WAN architectures often face challenges such as difficult operation and deployment, high investment cost, and poor service access experience. The SD-WAN technology introduced by InCloud manager can easily solve these problems. SD-WAN technology minimizes the burden of managing infrastructure and connectivity for industries by removing the burden of traffic management from physical devices and shifting it to software for deployment and management flexibility.

### ◆ Always Online Network Connection

InCloud manager supports link backup. When a fault occurs, the network system can fail over according to the priority to ensure network connectivity. Combined with load balancing technology, it can greatly improve bandwidth utilization while taking into account redundancy, and bring stable and reliable network connections.

### ◆ Fast VPN Interconnection between Branches

With just a few clicks, InCloud manager can automatically deliver the configuration to the communication device according to the planned network topology. The device will automatically create VPN routes and carry out data encryption and key exchange to create mesh VPN. IT personnel can also quickly build the network between sites without professional network technical knowledge.

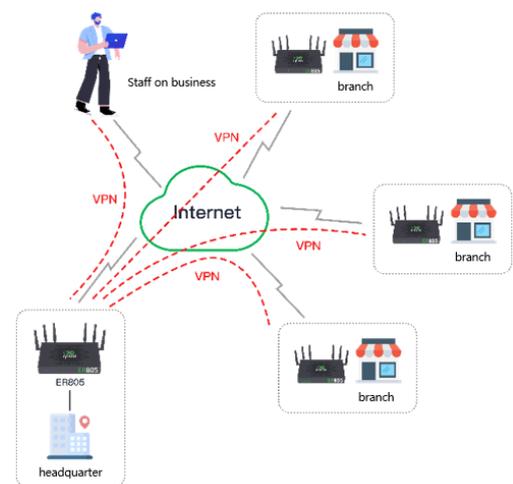


Figure 3 · SD-WAN overlay network

### ◆ Reduce Dedicated Line Input

The SD-WAN router supports low-cost network connections such as cellular, broadband, and optical fiber, covering almost all networking environments. With the SD-WAN capability, it can significantly reduce network costs and help enterprises quickly achieve large-scale network deployment.

### ◆ Excellent Access Service Request Experience

To solve the problem of poor access experience of business systems, InCloud manager provides flexible traffic shaping technology. Users can customize important services to be forwarded first. At the same time, through link quality detection, intelligent uplink selection and other technologies, the link switch without perception is realized to ensure high-quality network experience.

## Network and Service Security

InCloud manager provides a variety of security protection strategies, and combined with data encryption transmission, unified identity authentication, access control, threat identification and other comprehensive security protection means, greatly improve the risk defense ability of branch network, to provide a safe and reliable network environment for enterprises.



In order to ensure the security and privacy of business data, the system design adopts the separation strategy of business data and management data. InCloud manager promises that enterprise business data will not be uploaded to the cloud platform, so as to comprehensively protect the privacy and security of business data.

### Convenient Mobile Management

The mobile APP of InCloud manager supports scanning code to configure the device to connect to the cloud, without the need to connect the network cable, which can greatly simplify the configuration operation.

The APP can monitor device interface status, traffic usage, network signals, throughput rate, and latency, view device growth trend, device status distribution, traffic trend analysis, and alarm ranking, and gain insight into device and network conditions from charts.

The portability of mobile phones makes it especially convenient to use mobile applications. As long as you have access to the internet, you can monitor and manage on-site network devices and applications through the APP anytime and anywhere.

### Cloud Managed Network Device

#### EdgeRouter800 | Designed for branch networking

Bring new network experience from complexity to simplicity

- Zero-contact deployment
- Complete security features
- High-speed gigabit network
- SD-WAN
- Enjoy 5G network
- Delicacy network management

[Learn more about ER800](#)



Figure 4 · ER800 applications

### Multiple Extraordinary Capabilities, Enabling Core Business

- ◆ Scalability: Supports access of millions of devices and smooth network expansion.
- ◆ Reliability: The message broker with high throughput supports ten-thousand-level message communication, ensuring low latency of message transmission between devices and applications.
- ◆ Security: Enterprise-level security service guarantee.
- ◆ Availability: 99.9% service availability.
- ◆ Continuous Service: 7\*24 enterprise-level service support, service continuous iteration upgrade.

InHand insists on constantly polishing products, quickly responding to market demand, providing high-value services, assisting or guiding enterprises to promote daily management in a more intelligent way.