



Speed. Security. Stability. Simplicity.

Edge Router 600 Series

Cloud-Managed SD-WAN Router

Faced with the ever-increasing digitalization of enterprises, the demand for connecting more branches has increased significantly, efficient and convenient network management solutions are important. InHand launched the ER600 series of cloud-managed edge routers with InCloud Managed cloud services to transform your branch with high-speed, safe, simple, and convenient network solutions.

EdgeRouter600 is a new generation of cloud-managed SD-WAN edge router products that provide convenient secure network access services for enterprise business networks, with both extensive 5G/4G cellular network and wired broadband network. Nevertheless, it has comprehensive security functions to ensure the data and financial security. In addition, in this brand new 5G era, with InCloud Manager cloud services, ER600 can manage devices and networks conveniently.

EdgeRouter600 provides high-speed, secure network connection and one-stop network management service to power your business with unlimited possibilities.

Ideal for a wide range of application scenarios:

- Retail networking
 - Retail stores
 - Fast-food chains
 - Coffee chains
 - Clothing chain stores
 - Stalls...
- Enterprise branches
 - SMB branches
 - SOHO offices
- Smart City
- Smart medical care
- Other IoT industry

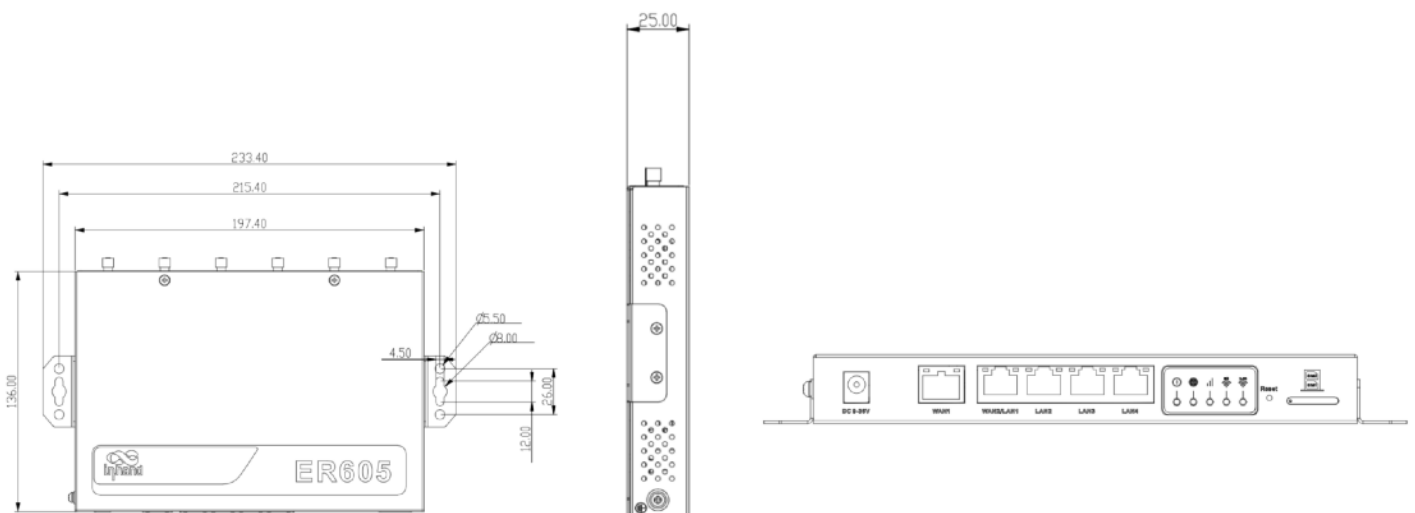
Application



Features and Advantages

- Simplify the complexity completely based on cloud management
- 5G high-speed cellular network
- Dual Radio Wi-Fi, max 1200Mbps, 5*Gigabit Ethernet
- Support Zero Touch deployment
- Flexible and reliable SD-WAN network
- Refined and visualized network management
- **Centralized Cloud Management**
As a network access device, the ER605 edge router can realize cloud management with InCloud Manager and helps you to manage thousands of distributed sites all over the world, it monitors your network anytime and anywhere and improves efficiency.
- **Omnipresent and Continuous Internet Access Capability: 5G**
It is equipped with 5G cellular network access capabilities, fully providing new capabilities and new experiences brought by 5G networks. The high bandwidth, low latency and other features make a better service.
 - Global 5G network access, downstream rate 2Gbps, support SA/NSA networking
 - Gigabit Ethernet, WAN/LAN/VLAN/Dual WAN
 - Maximum bandwidth 1200Mbps, support 802.11 ac/a/b/g/n, 2.4G+5G Wi-Fi dual-band
- **Zero-Touch Deployment**
The integrated cloud design makes deployment easier and more convenient, and deployment can be completed in a few clicks.
 - Plug and play
 - Scan code APP configuration
 - Quick access to cloud services
 - InCloud Manager remote configuration
- **SD-WAN Highly-reliable and Uninterrupted Network Connection**
ER605 integrates hardware, software and cloud services to realize SD-WAN network, therefore ensures uninterrupted high-quality network services. Link redundancy, load balancing, bandwidth management, link failover and other functions can effectively ensure the stability of the business network and reduce the risk of network failures, thus reduce network costs, and increase productivity.
- **Refinement of the Network**
ER605 makes network configuration easier. Through a simple and easy-to-configure visual interface, traffic is forwarded according to the rules made by IT personnel, which improves network access experience, reduces configuration difficulty, and reduces IT staff workload.
 - Access Control, Firewall Policy, Routing, Traffic Shaping
 - Various VPNs, data encryption, Mac address filtering
- **High Network visibility, insight into everything**
Visualization and enable IT engineers can gain insights into business problems from data, quickly troubleshoot problems.
 - Dashboard, Traffic Statistics, Link Quality, Cellular Signal, Overview
 - System log, diagnostic log, device event, email alert settings
 - Device remote control, reboot, upgrade, reset
 - Network diagnostic tools Ping, Traceroute, packet capture

Dimensions



Specifications

ER605 Hardware	
Hardware platform	
Throughput	450Mbps
VPN throughput	100Mbps
Storage	256MB
Flash	64MB
Recommended users	50-100
Interface description	
Cellular	5G, downlink 2Gbps, Sub6 (450MHz to 6GHz) 4G
Ethernet port	5*10/100/1000Mbps, Ethernet, Dual WAN/LAN VLAN
SIM	Dual SIM, Nano SIM
RESET	Reset button
Antenna interface	4*5G or 2*4G Cellular Antennas, 2*Wi-Fi Antennas
Wi-Fi	
Dual radio	2.4 / 5GHz Wi-Fi
Transmission bandwidth	Maximum 1200Mbps
Transfer Protocol	802.11ac/a/b/g/n Wave2 MU-MIMO
Maximum output power	2.4g:13dBm 5g:13dBm
Operating mode	AP /Client mode
Power Supply	
Pin	Power supply
Input voltage	Input: 9-48VDC
Power Consumption	12W
Ambient Temperature and Humidity	
Working Temperature	-20°C ~ + 70°C
Storage Temperature	-40°C ~ + 85°C
Humidity	95%RH at 40°C
Protection Rating	IP30
Installation	
Desk	Desk-top
Wall	Wall mounting
EMC	
Electromagnetic	II
Mechanical Features	
Dimensions (mm)	198mm*137mm*25mm
Weight	848 g
Features	Wall mounting, metal shell, fan-less
Certificates	
CE, FCC, IC, PTCRB, AT&T, Verizon, CB, RCM	

Note: The functions marked with * are not implemented yet.

Cloud-based Management ER605 Function	
Completely based on cloud management	
InCloud Manager	Web unified management Zero-touch remote deployment Batch upgrade and management Double authentication Support SD-WAN network connection
Uplink management	
Dial-up service	Support PPPoE, cellular automatic redial, dual SIM switching, APN configuration
Network Access	Multiple network access, 5G/4G cellular network access, ETH network access
Smart Link	Link backup/packet-by-packet load balancing among multiple links Real-time detection of link delay, jitter, and packet loss
Monitoring & Alerting	
Dash Board	Device information, interface status, and refined traffic statistics
Link Monitoring	Link delay, jitter, packet loss, and throughput
Log & Alarm	System logs, diagnostic logs, device events,
Network Function	
IP Protocol	IPv4/IPv6*
IP Application	VLAN, DHCP server/client, DNS, DDNS*, fixed address assignment, IP passthrough
Interface	Duplex mode, link negotiation rate, interface
Wi-Fi	Support 5G and 2.4G Wi-Fi, support multiple
Routing	Static routing
VPN	IPSec VPN, L2TP VPN, Open VPN *
Firewall	Firewall filtering NAT, port mapping based on MAC, IP, port, protocol, access control
Policy	Policy routing, traffic shaping
Self-recovering	Built-in software and hardware watchdog, self-
Remote maintenance	
Remote Access	Support Web/Cli remote access
Cloud Connection	Remote maintenance of PCs, monitoring equipment, servers, PLCs, etc.
Network Diagnostics	Support Ping, Traceroute, network packet capture tools, diagnostic logs
Configuration Backup	Support configuration import and export

Ordering Guide

Model-<WMNN>: Type & Module	Cellular Type	<W/NA>: WLAN
ER605-NRQ1-<WLAN>	China & (5G Qualcomm Platform) 5G NR NSA:n41/n78 5G NR SA:n1/n3/n8/n28/n41/n78 LTE-FDD:B1/B3/B5/B8 LTE-TDD:B34/B38/B39/B40/B41 WCDMA Bands:B1/B8	WLAN: Wi-Fi <NA>: No Wi-Fi
ER605-NRQ2-<WLAN>	China (5G Zhanrui) 5G NR NSA:n41/n78/n79 5G NR SA:n1/n28*/n41/n77/n78/n79 LTE FDD: B1/B2/B3/B5/B7/B8/B20/B28 LTE TDD: B34/B38/B39/B40/B41 WCDMA Bands: B1/B2/B5/B8	WLAN: Wi-Fi <NA>: No Wi-Fi
ER605-NRQ3-<WLAN>	Global & (5G Qualcomm Platform) 5G NR NSA:n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79 5G NR SA:n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79 LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B48 WCDMA Bands:B1/B2/B4/B5/B8/B19	WLAN: Wi-Fi <NA>: No Wi-Fi
ER605-LQ20-<WLAN>	China LTE CAT4 LTE-FDD Band 1/3/5/8 LTE-TDD Band 34/38/39/40/41 TD-SCDMA Band 34/39 WCDMA Band 1/2/4/5/8/19 CDMA/EVDO BC0 GSM Band 3/8	WLAN: Wi-Fi <NA>: No Wi-Fi
ER605- FQ39-<WLAN>	(For North America, T-Mobile, Verizon, AT&T, LTE CAT6) LTE-FDD:B2/B4/B5/B7/B12/B13/B25/B26/B29/B30 /B66 WCDMA Bands:B2/B4/B5	WLAN: Wi-Fi <NA>: No Wi-Fi
ER605-FQ58-<WLAN>	(For Europe & APAC, LTE CAT4) LTE-FDD Band 1/3/7/8/20/28A LTE-TDD Band 38/40/41 WCDMA Band 1/8 GSM Band 3/8	WLAN: Wi-Fi <NA>: No Wi-Fi
ER605-EN00-<WLAN>	NA	WLAN: Wi-Fi <NA>: No Wi-Fi

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 both Rockwell Automation Technology Partner in Asia-Pacific and Schneider Electric Technology Partner, InHand Networks defines industrial innovation and reliability.



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