

IC015-TCP-01L

Modbus Cellular Gateway



Feature Sets:

- Modbus Cellular Gateway for Smart Industry, Smart Utility, and Smart City applications.
- Embedded LTE module with dual-SIM failover function for highly reliable requirement, without geographic limit.
- 1* RJ45 fast Ethernet port for network device connection.
- 1* RJ45 (RS232/RS485) serial port for modbus RTU/ASCII device and various serial communication protocol.

Specifications¹:

Device Interfaces

Uplink:	1*embedded LTE (dual SIM)
LAN-RJ45:	1*RJ45 FE
Comm. Bus:	1*RJ45 RS232/RS485
GNSS ² :	1*GPS
3G/4G Band ³ :	LTE: 800/900/1800/2100/2600 MHz, UMTS: 850/900/1900/2100 MHz, GPRS/EDGE: 850/900/1800/1900 MHz
Antenna:	2*3dBi detachable ant. (3G/4G)
Power Source:	DC 9V~32V

WAN Functions

WAN:	Cellular WAN, Dual SIM Failover
Cellular:	2G/3G/LTE IPv4/IPv6, IP Pass-through
IPv6:	Dual Stack

Basic Functions

Ethernet:	LAN IP, Subnet Mask
NAT:	ALG, Special AP, DMZ Host, Virtual Server/ Computer, PPTP/L2TP/IPSec Pass-through
Routing:	Static, Dynamic: RIP1/RIP2
Modbus:	Modbus TCP Master/Slave, Modbus RTU/ASCII Master/Slave
Virtual COM:	RFC2217, TCP Client, TCP Server, UDP

Management

Configuration:	Web UI, Telnet CLI, SSH
Network:	SNMPv3, TR-069
Event & Handler:	SMS, Syslog, SNMP Trap, Email Alert, Reboot

Systems

System:	Status & Statistics, Tools, Scheduling, FW Upgrade, Backup & Restore Settings, Watch Dog
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Cellular Functions

Connectivity:	SIM-SIM Failover / Failback, Reliability 24/7
APN Mgmt.:	Auto-Detection, User Defined Priority, Manual
Network Scan:	Operator/Service Type/Band Selection
SMS:	Send, Receive, Forward, Event Notify, Device Management
USSD:	Manual/USSD Profile

Advanced Functions

Firewall:	SPI Firewall with Stealth Mode, IPS
Access Control:	MAC Address Control, Packet Filters, URL Blocking
VPN Tunneling:	IPSec, PPTP, L2TP, GRE, L2TP over IPSec; Tunneling with Full Tunnel, Tunnel Failover
VPN Scenario:	Site to Site, Site to Host, Host to Site, Host to Host, Dynamic VPN
VPN Capability:	IPSec: up to 3 tunnels
Redundancy:	VRRP

Dimension

Device (LxWxH): 93x90x27mm

Environment

Operation Temp. ⁴ :	-20 °C ~ 60 °C
Storage Temp.:	-40 °C ~ 85 °C
Humidity:	10% ~ 95% (non-condensing)