

# IC015-TCP-04L

## M2M Multi-Cellular Gateway



### Feature Sets:

- M2M Multi-Cellular Gateway for Retail POS, and Self-Service Stations, like ATM, vending machine, and digital signage applications.
- Equip with two single-SIM LTE, provide WAN failover and load balance function for highly reliable and bandwidth requirement, without geographic limit.
- 4\* GE LAN port with tag based and port based VLANs easily to group control and relocate traffic pattern.
- Seamless power failover between redundant 12-48V DC input.

### Specifications<sup>1</sup>:

#### Device Interfaces

Uplink: 2\*embedded LTE (1+1 \*SIM),  
LAN-RJ45: 4\*RJ45 GE, 1\* SFP  
I/O: 1\* DI ("Logic 0": 0~2V, "Logic 1": 5V~30V),  
1\* DO (Relay Mode, up to 30V / 1A)  
Storage & Log: 1\*USB 2.0  
Cellular Band<sup>2</sup>: LTE: 800/900/1800/2100/2600 MHz,  
UMTS: 850/900/1900/2100 MHz  
GPRS/EDGE: 850/900/1800/1900 MHz  
Antenna<sup>3</sup>: 4\* SMA Jack (Female) for external LTE Ant.  
Power Source: Dual DC 12V~48V

#### WAN Functions

WAN: Multiple WANs, Failover / Load Balance  
Ethernet: Dynamic IP, Static IP, PPPoE, PPTP, L2TP  
Cellular: 2G/3G/LTE IPv4/IPv6, Dual Module  
IPv6: Dual Stack, 6-in-4, 6-to-4

#### Basic Functions

Ethernet: LAN IP, Subnet Mask  
VLAN: Port-based, Tag-based  
NAT: ALG, Special AP, DMZ Host, Virtual Server/Computer, PPTP/L2TP/IPSec Pass-through  
Routing: Static, Dynamic: RIP1/RIP2, OSPF, BGP

#### Management

Configuration: Web UI, Telnet CLI, SSH, Console CLI  
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  
Grouping: Group by Host, File Extension, Application

#### Cellular Functions

Connectivity: LTE-LTE Failover / Failback, Reliability 24/7  
APN Mgmt.: Auto-Detection, User Defined Priority, Manual  
Network Scan: Operator/Service Type/Band Selection  
Data Plan: Monitor, Usage Warning, Connection, Restricted  
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  
QoS & BWM: Policy-based Bandwidth Control and Packet Flow Prioritization  
VPN Tunneling: IPSec, PPTP, L2TP, GRE, OpenVPN, DMVPN, L2TP over IPSec;  
VPN Scenario: Tunneling with Full Tunnel, Tunnel Failover  
Site to Site, Site to Host, Host to Site, Host to Host, Hub and Spoke, DMVPN, Dynamic VPN  
VPN Capability: IPSec: up to 32 tunnels  
Redundancy: VRRP

#### Dimension

Device (LxWxH): 160x125x62mm (w/o mounting kit)  
200x125x65mm (with Bracket kit)  
62x135x160mm (with DIN Rail kit)

#### Environment

Operation Temp.<sup>4</sup>: -30 °C ~ 70 °C  
Storage Temp.: -40 °C ~ 85 °C  
Humidity: 10% ~ 95% (non-condensing)