

IC013-WNO-01P

Outdoor Cellular Gateway



Feature Sets:

- Outdoor Cellular Gateway for Rural Broadband, Station/Airport Public Hotspot, and other Outdoor Access applications.
- Equip with a dual-SIM LTE, provide WAN failover function for highly reliable requirement, without geographic limit.
- WiFi Compliance 802.11ac 2T2R (5GHz) + 802.11ac/n 2T2R (5G/2.4GHz selectable); Multiple (8+8) SSIDs for privilege group devices or users.
- 1*GE LAN PoE-enabled port for local network connectivity.
- Fully protocol with NAT/ Routing/IPv6 compatible with most IP network.
- IPsec, OpenVPN, PPTP and L2TP VPN support up to 16 concurrent tunnels with max 100Mbps throughput (IPsec).
- QoS and Bandwidth management for optimal bandwidth usage.

Specifications¹:

Device Interfaces

Uplink:	1*embedded LTE (2 *micro-SIM)
LAN-RJ45:	1*RJ45 GE (with 802.3at PD)
LAN-Wi-Fi:	802.11ac 2T2R (5GHz), and 802.11ac/n 2T2R (5G/2.4GHz selectable)
Storage & Log:	1* embedded 8GB Storage
3G/4G Band ² :	LTE: 800/900/1800/2100/2600 MHz, UMTS: 850/900/1900/2100 MHz, GPRS/EDGE: 850/900/1800/1900 MHz
Antenna ³ :	2* N-Type Jack (Female) for LTE ant. 2* N-Type Jack (Female) for Wi-Fi ant. (5GHz) 2* N-Type Jack (Female) for Wi-Fi ant. (5G/2.4GHz)
Power Source ³ :	1* 802.3at PoE, or proprietary Passive PoE Injector

Enclosure

Material:	Plastic (PC + anti-UV) Panel + Metal Base
Mounting:	Pole Mount, Wall Mount
IP Rating:	IP67
Wind Rating:	120 mph

WAN Functions

WAN:	Bridge, Gateway
Cellular:	2G/3G/LTE IPv4/IPv6, IP Pass-through, SIM-SIM Failover / Failback
IPv6:	Dual Stack, 6-in-4, 6-to-4

Basic Functions

Ethernet:	LAN IP, Subnet Mask
WiFi Operation:	AP Router, WDS, WDS Hybrid Modes
WiFi Security:	WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x
VLAN:	Tag-based
Port Forwarding:	Virtual Server/ Computer, DMZ Host, Special AP & ALG, VPN Pass-through
Routing:	Static, Dynamic: RIP1/RIP2, OSPF, BGP
QoS:	Policy-based Bandwidth Control and Packet Flow Prioritization

Object Definition

Scheduling:	Time Schedule List
User	User List, User Profile, User Group
Grouping:	Host Grouping List
Ext. Server:	Email, Syslog, RADIUS, LDAP, FTP
Certificate:	My Certificate, Trusted Certificate, Issued Certificate

Security

VPN Tunneling:	IPSec, OpenVPN, PPTP, L2TP, GRE; Tunneling with Full Tunnel, Tunnel Failover
VPN Scenario:	Site to Site, Site to Host, Host to Site, Host to Host, Hub and Spoke, Dynamic VPN
VPN Capability:	IPSec: up to 16 tunnels
Firewall:	SPI Firewall with Stealth Mode, IPS
Access Control:	MAC Address Control, URL Blocking, Packet / Content / Application Filters
Authentication:	Captive Portal, MAC Authentication

Service

Cellular Toolkit:	SMS, Data Usage, SIM PIN, USSD, Network Scan
Event Handling:	Managing / Notifying Events; SMS, Syslog, SNMP Trap, Email Alert, Reboot

Administration

Config. & Mgmt.:	Web, Telnet CLI, Command Script, TR-069, SNMPv3 standard & AMIT MIB
System Op.:	MMI, System Info., System Time / Log, Backup & Restore, Reboot & Reset
FTP:	FTP Server, User Account
Diagnostic:	Packet Analyzer, Diagnostic Tools

Dimension

Device (LxWxH):	254x254x84mm (w/o mounting kit)
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Environment

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