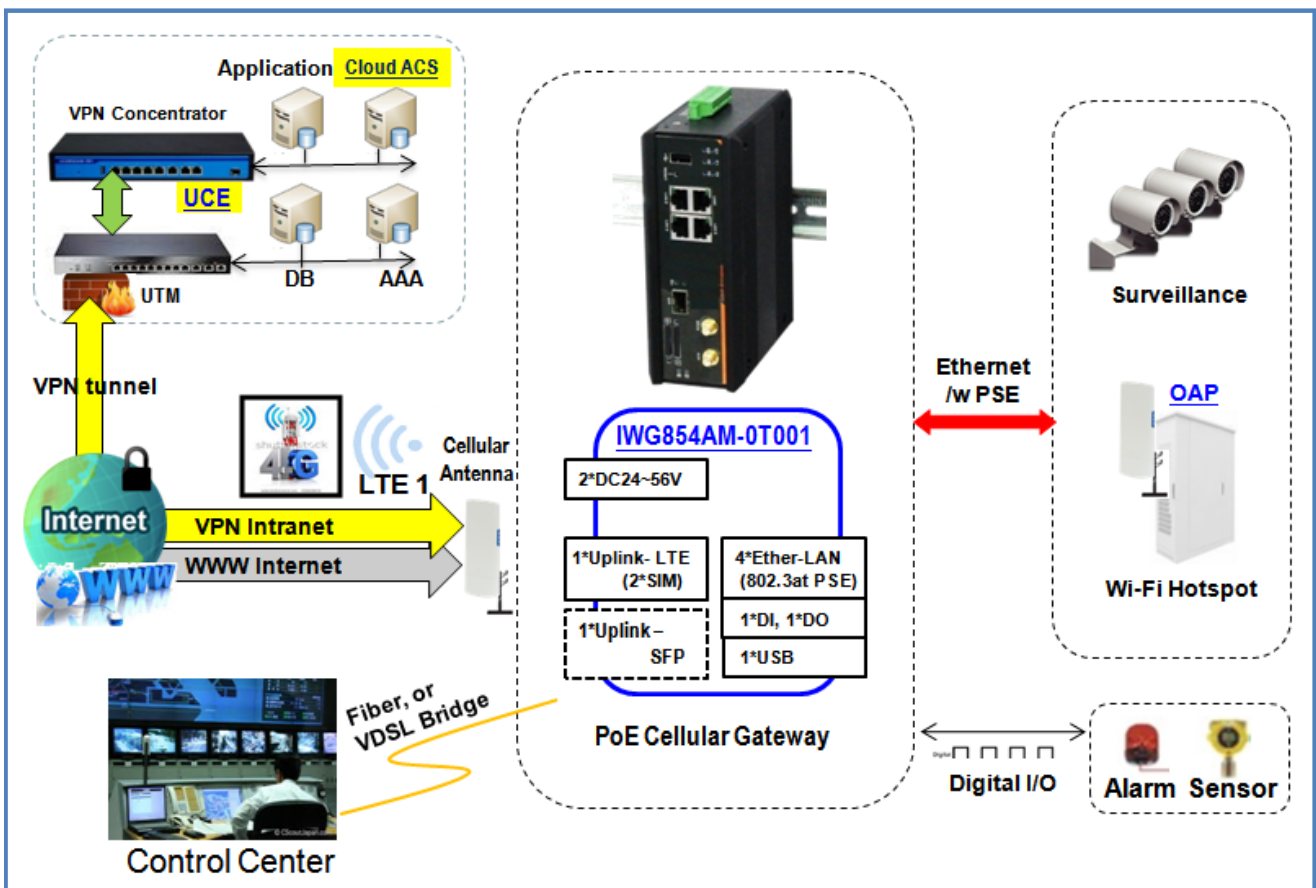**aMit**

*Enabling Wireless M2M - IoT*

**IP6 READY**

## Wireless PoE Series

## IWG854AM-0T001
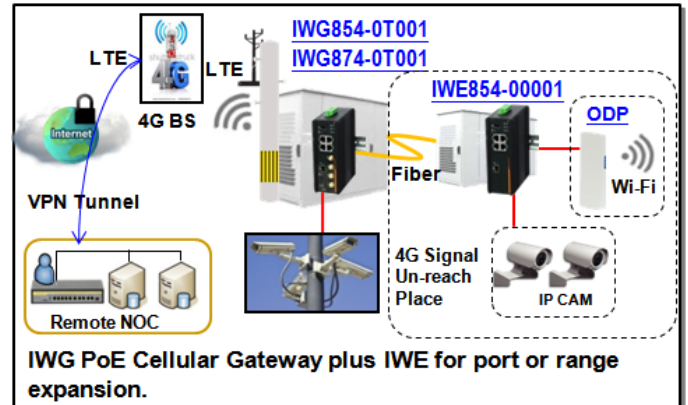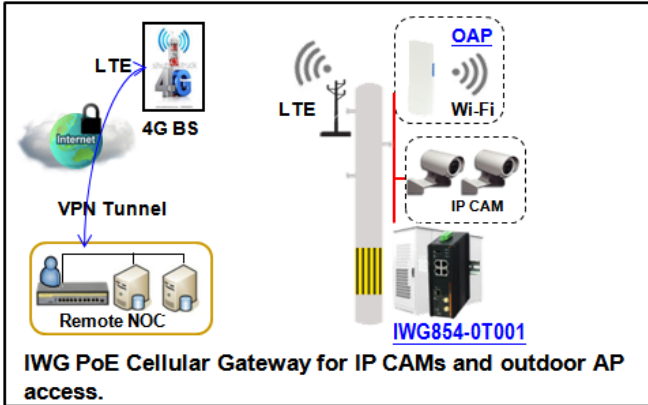## Industrial PoE Cellular GW
## with 4 Gigabit PoE+ Ports

## Feature Sets:

- Industrial PoE Cellular Gateway is to extend network connectivity and uplink for PoE Devices like 3G / LTE Cellular device, Access Point, and IP camera.
- Equip with a dual-SIM LTE, provide WAN failover function for highly reliable requirement, without geographic limit.
- 4* gigabit 802.3at PoE+ PSE ports with tag based and port based VLANs easily to group control and relocate traffic pattern.
- Provide scheduled or event based device hard reset function through the PoE power management.
- Fully protocol with NAT/Routing/IPv6 compatible with most IP network.
- IPSec, PPTP, and L2TP VPN support up to 32 concurrent tunnels with max 100Mbps throughput (IPSec).
- Firewall with SPI and IPS prevent hacker attacking and enhance network efficiency.
- SNMP, Telnet CLI, and TR-069 for administrator to manage system.
- QoS and Bandwidth management for optimal bandwidth usage.
- Seamless power failover between redundant DC 24V~56V wide range power input; Provide up to 120W for four PDs.

## Connection Diagram:

## Applications:



IWG PoE Cellular Gateway for IP CAMs and outdoor AP access.



IWG PoE Cellular Gateway plus IWE for port or range expansion.

## Specifications[1]:

### Device Interfaces

| | |
|---|---|
| Uplink: | 1*embedded LTE (dual SIM), 1* Gigabit SFP (configurable) |
| LAN-RJ45: | 4*RJ45 GE with 802.3at PSE |
| 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 |
| 3G/4G Band[2]: | LTE: 800/900/1800/2600 MHz, UMTS: 900/2100 MHz |
| Antenna[3]: | 2* SMA Jack (Female) for external LTE Ant. |
| Power Source: | Dual DC 24V~56V |

### WAN Functions

| | |
|---|---|
| WAN: | Multiple WANs, Failover/Load Balance, Configurable Ethernet/4G |
| Cellular: | 2G/3G/LTE IPv4/IPv6, IP Pass-through |
| Ethernet: | Dynamic IP, Static IP, PPPoE, PPTP, L2TP |
| 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 |
| Network: | SNMPv3, TR-069 |
| Event & Handler: | SMS, Syslog, SNMP Trap, Email Alert, Reboot |
| PD Monitor: | Power Control, Manual ON/OFF, Scheduled ON/OFF |

### 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 |
| 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; Tunneling with Full Tunnel, Tunnel Failover |
| VPN Scenario: | 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 |

### Systems

| | |
|---|---|
| System: | Status & Statistics, Tools, Scheduling, FW Upgrade, Backup & Restore Settings, Watch Dog |
| Grouping: | Group by Host, File Extension, Application |

### Dimension

| | |
|---|---|
| Device (WxDxH): | 62x125x160mm (w/o mounting kit) 62x135x160mm (with DIN Rail kit) |

### Environment

| | |
|---|---|
| Operation Temp.[4]: | -30 ℃ ~ 70 ℃ |
| Storage Temp.: | -40 ℃ ~ 85 ℃ |
| Humidity: | 10% ~ 95% (non-condensing) |

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1. Specifications are subject to change without advanced notice.
2. Supported frequency band is dependent upon regional hardware version.
3. External LTE antennas are not included in standard package.

4. 3G/4G performance will be degraded if device's ambient temperature is above 55 ℃.