

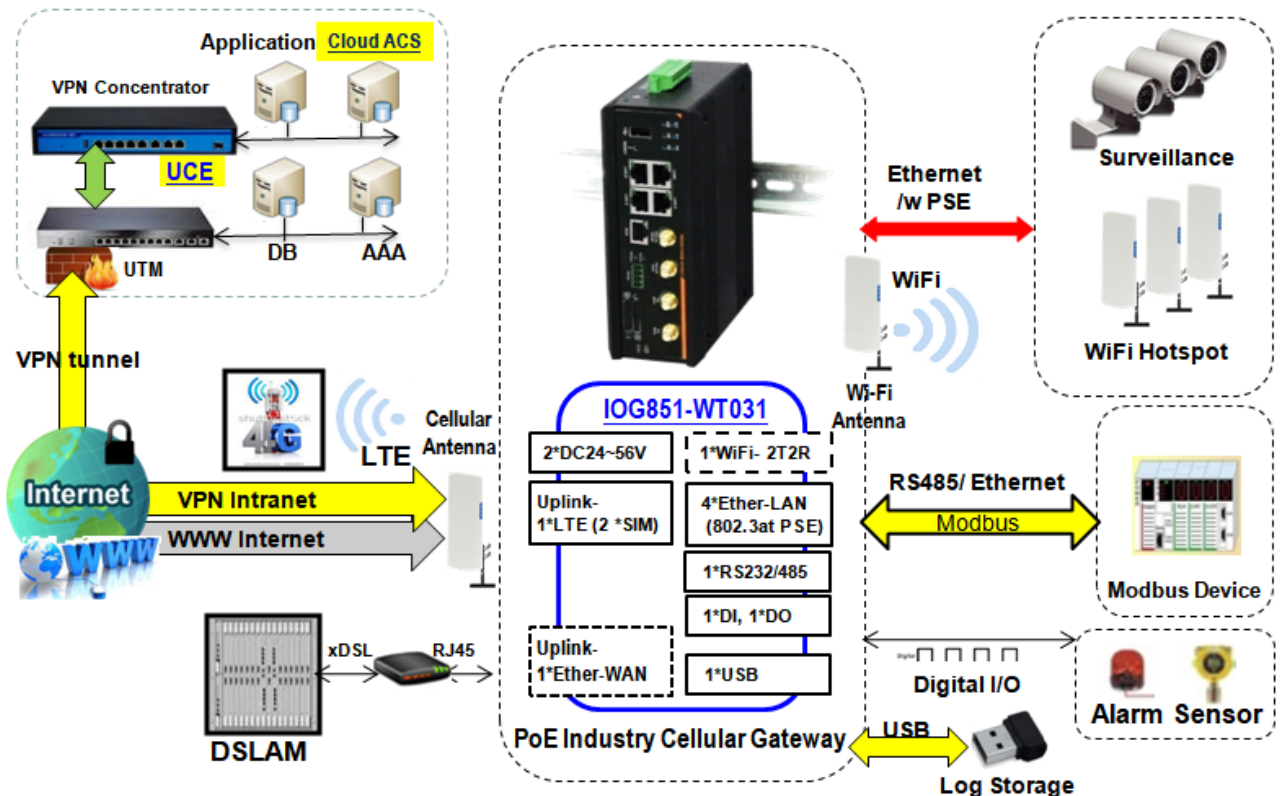
PoE Industry Cellular Gateway

Feature Sets:

- Smart Industry and Smart City applications; Extend network connectivity and uplink for PoE devices like access point, and IP camera.
- Equip with a dual-SIM LTE module with failover function.
- WiFi Compliance IEEE802.11ac 2T2R 5GHz WiFi; Multiple (8) SSIDs for privilege group devices or users.
- 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, OpenVPN, PPTP, and L2TP VPN support up to 16 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:



Specifications¹:

Device Interfaces

| | |
|------------------------------|---|
| Uplink: | 1*LTE module (dual SIM), 1*RJ45 GE (configurable) |
| LAN-RJ45: | 4*RJ45 GE with 802.3at PSE |
| LAN-WiFi: | 802.11 a/n/ac 2T2R (5GHz) |
| Comm. Bus: | 1*RS232/RS485 (4-pin Terminal Block) |
| I/O: | 1*DI ("Logic 0": 0~2V, "Logic 1": 5V~30V), 1*DO (Relay Mode, up to 30V / 1A) |
| Log Storage: | 1*USB 2.0 |
| Cellular Band ² : | LTE: 800/900/1800/2100/2300/2600 MHz, UMTS: 850/900/1900/2100 MHz, GPRS/EDGE: 850/900/1800/1900 MHz |
| Antenna: | 2*SMA Jack (Female) for external LTE Ant. 2*SMA Jack (Male) for ext. WiFi Ant. |
| Power Source: | Dual DC 24V~56V |

WAN Functions

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|-----------|---|
| WAN: | Multiple WANs, Failover/Load Balance, Configurable Ethernet/4G |
| Cellular: | 2G/3G/LTE, IP Pass-through, SIM-SIM Failover / Failback |
| Ethernet: | Dynamic IP, Static IP, PPPoE, PPTP, L2TP |
| 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: | Port-based, Tag-based |
| PoE: | Power Control, Manual ON/OFF, Scheduled ON/OFF |
| Port Forwarding: | Virtual Server/ Computer, DMZ Host, PPTP/L2TP/IPSec Pass-through |
| Routing: | Static, Dynamic: RIP1/RIP2, OSPF, BGP |
| QoS: | Policy-based Bandwidth Control and Packet Flow Prioritization |

Object Definition

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|--------------|---|
| Scheduling: | Time Schedule List |
| Grouping: | Host Grouping List |
| Ext. Server: | Email, Syslog, RADIUS, LDAP, FTP |
| Certificate: | My Certificate, Trusted Certificate, Issue Certificate |

Field Communication

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|---------------|--|
| Virtual COM: | RFC2217, TCP Client, TCP Server, UDP |
| Modbus: | Modbus Slave, Modbus Gateway for Modbus TCP Master/Slave, Modbus RTU/ASCII Master/Slave Access |
| Data Logging: | Sniffer, Off-line Proxy, Full-time Proxy, Sniffer & Proxy mixed modes |

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 |

| | |
|-----------------|---|
| Firewall: | SPI Firewall with Stealth Mode, IPS |
| Access Control: | Packet Filter, URL Blocking, MAC Filter |

Service

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|-------------------|--|
| Cellular Toolkit: | SMS, Data Usage, SIM PIN, USSD, Network Scan |
| Event Handling: | Managing / Notifying Events; DI, DO, SMS, Modbus, 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

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

Environment

| | |
|--------------------------------|----------------------------|
| Operation Temp. ³ : | -30 °C ~ 70 °C |
| Storage Temp.: | -40 °C ~ 85 °C |
| Humidity: | 10% ~ 95% (non-condensing) |

Accessory

- Package Content
 - 1*Device,
 - 1*Terminal Block (8-pin for DC Power & DI/DO),
 - 1*Terminal Block (4-pin for serial port),
 - 1*DIN Rail Bracket, 1*Screw Bag,
 - 1*CD (User Manual).
- Optional Accessory
 - Power Supply, Side Mounting Brackets,
 - WiFi Antenna, RF Cable.

Certification

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|------------------------|--|
| Approval / Certificate | CE |
| Standards & Regulation | EMI: EN 55032: 2015 +AC: 2016 Class B EN 61000-3-2:2014 EN 61000-3-3:2013 EMS: EN 55024:2010+A1:2015 EN 61000-6-2:2005+AC:2005 IEC 61000-4-2(ESD) Level 4 IEC 61000-4-3(RS) Level 4 IEC 61000-4-4(EFT) Level 4 IEC 61000-4-5(Surge) Level 3 IEC 61000-4-6(CS) Level 3 IEC 61000-4-8(PFMF) Level 4 Radio: EN 301 489-1/-7/-17/-24/-52, EN 300 328 V2.1.1 EN 301 893 V1.8.1, EN50385 Safety: EN 60950-1 |

1. Specifications are subject to change without prior notice.

2. Supported cellular frequency depends on regional hardware version.

3. 3G/4G and WiFi performance will be degraded if device's ambient temperature is above 60°C.

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