



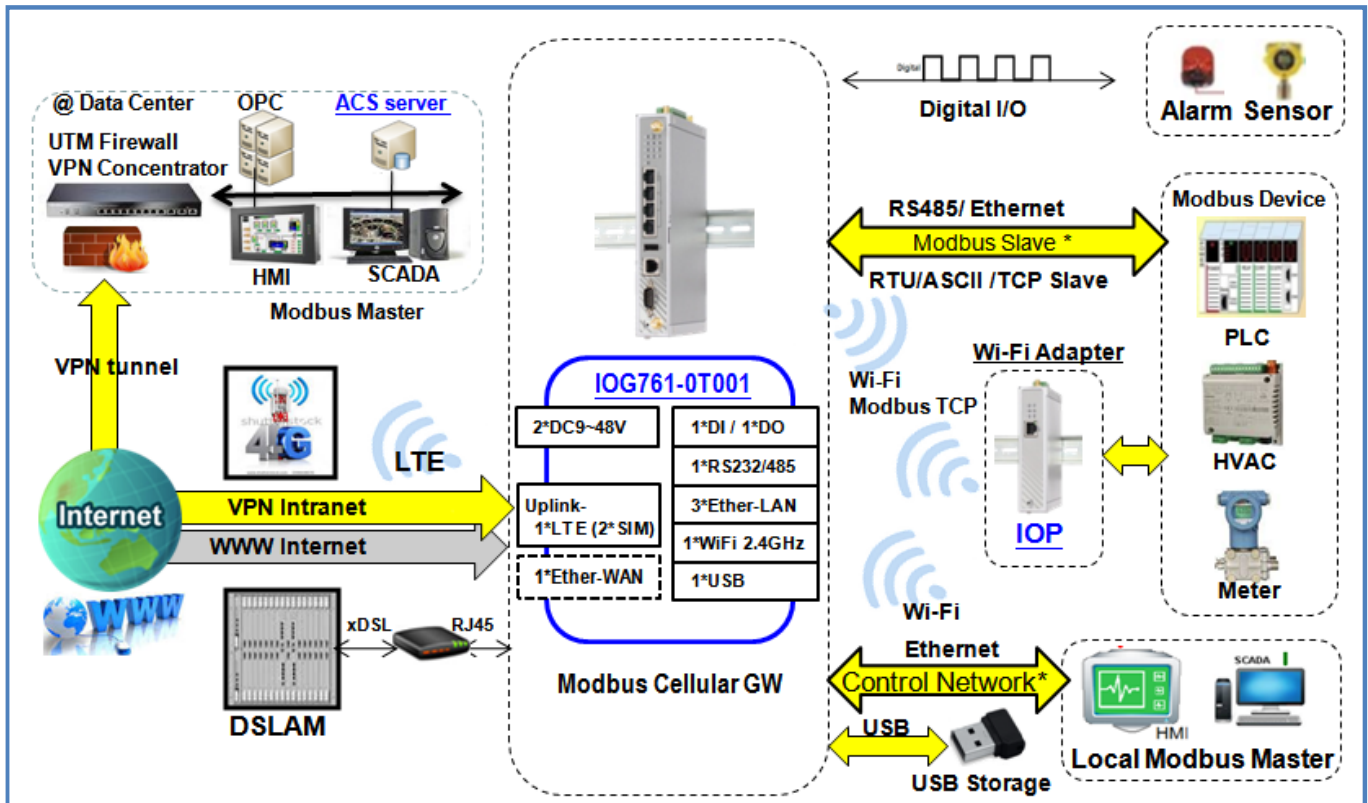
Wireless Industry Series

IOG761-0T001 Industry Cellular Gateway

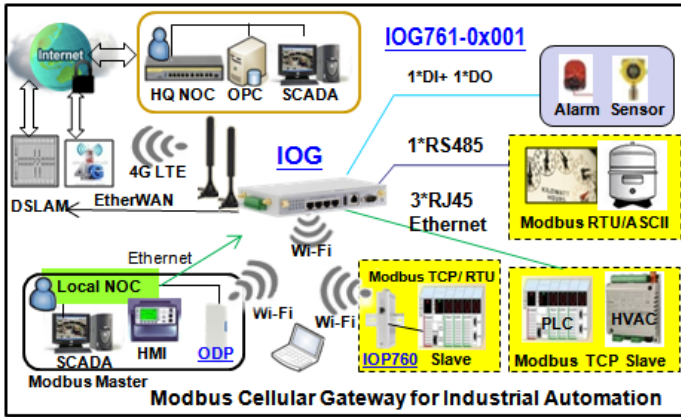
Feature Sets:

- Industry Cellular Gateway for Smart Industry, Smart Utility, Smart City, and Outdoor applications.
- Equip with a dual-SIM LTE module, and provide failover function for highly reliable requirement, without geographic limit.
- WiFi Compliance N300; Multiple (8) SSIDs for privilege group devices or users.
- 3(4)* FE LAN ports with tag based and port based VLANs easily to group control and relocate traffic pattern.
- 1*DB9 (RS232/RS485) interface for modbus RTU/ASCII and various serial communication protocol, and 1*DI, 1*DO for device triggering or event reporting.
- 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 70Mbps 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 9-48V DC input.

Connection Diagram:



Applications:



Function: To deploy a modbus cellular gateway for Industrial Automation

Description:

- The easiest way to deploy a modbus cellular gateway for connecting your industrial automation or telemetry equipments to the remote management center.
- With LTE as internet connection, it is plug and play without geographic limit.
- The most cost-effective product for you with robust design for secure internet access, variable voltage range, wide temperature range.
- Easily been managed by AMIT ACS server or management SW.

Specifications¹:

Device Interfaces

Uplink:	1*LTE module (dual SIM), 1*RJ45 FE (configurable)
LAN-RJ45:	3(4)* RJ45 FE
LAN-WiFi:	1n 2T2R
Comm. Bus:	1*DB9 RS232/RS485
I/O:	1*DI ("Logic 0": 0~2V, "Logic 1": 5V~30V), 1*DO (Relay Mode, up to 30V / 1A)
Mgmt. Port:	1*RJ12 RS232 (Console)
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* 3dBi detachable ant. (3G/4G), 2* 5dBi detachable ant. (WiFi)
Power Source:	Dual DC 9V~48V

WAN Functions

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
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
Redundancy:	VRRP

Object Definition

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

Field Communication

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
VPN Capability:	IPSec: up to 16 tunnels
Firewall:	SPI Firewall with Stealth Mode, IPS
Access Control:	Packet Filter, URL Blocking, MAC Filter

Service

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

Device (LxWxH):	31x110x187mm (w/o mounting kit) 31x120x187mm (with DIN Rail kit) 225x110x 39mm (with Bracket kit)
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Environment

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

1. Specifications are subject to change without advanced notice.
2. Supported cellular band is dependent upon regional hardware version.

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IOG761-0T001 V1.7b