

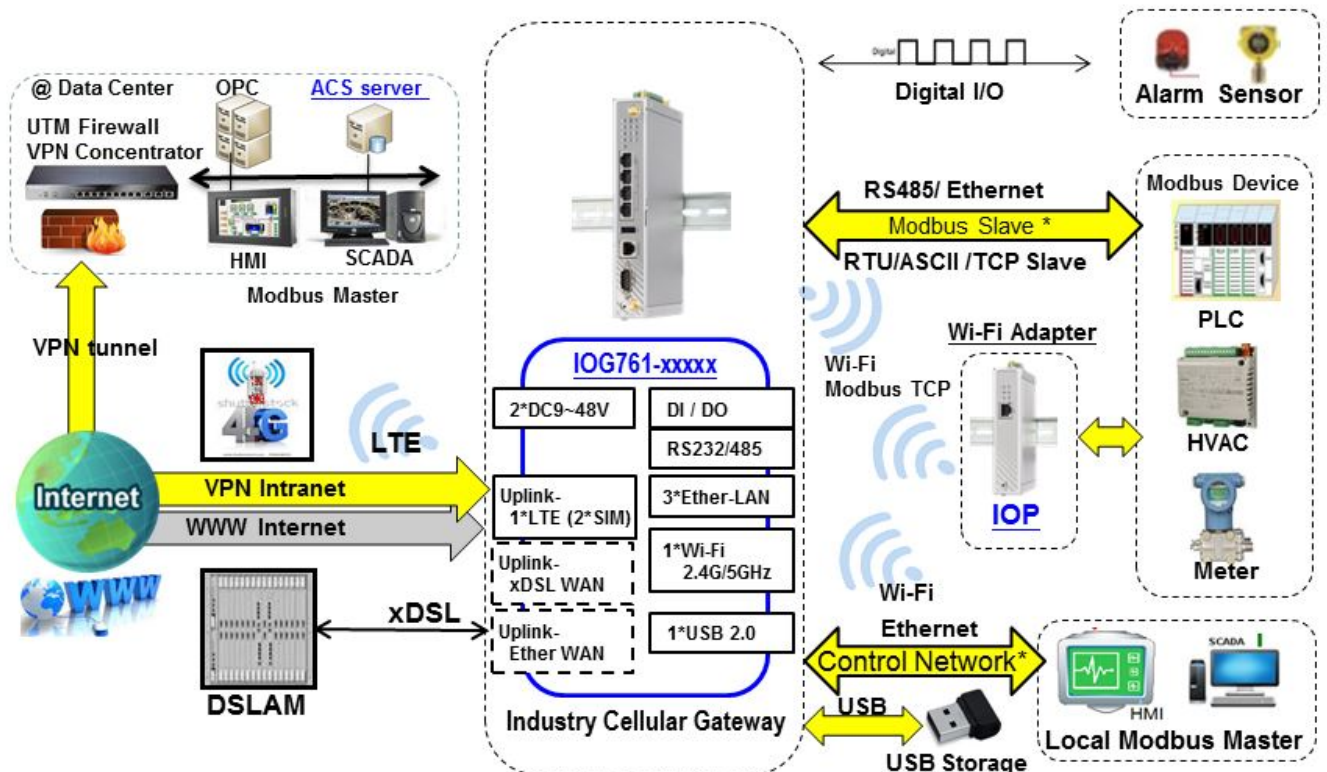
Industry Cellular Gateway

Feature Sets:

- Smart Industry, Smart Utility, and Smart City applications.
- Equip with a dual-SIM LTE module with failover function.
- WiFi Compliance IEEE802.11n 2T2R; Multiple (8) SSIDs for privilege group devices or users.
- 4 Ethernet ports with tag based and port based VLANs easily to group control and relocate traffic pattern.
- Equip with RS232/RS485 interface(s) for Modbus RTU and various serial communication protocol, and DI/DO for device triggering or event reporting.
- Equip with multi-mode data logging function and store the collected logs on attached storage for SCADA telemetry.
- 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 function 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:



Product Specification¹:

IOG761	-0P221	-0P001	-0T001	-CT121	-0TDA1
Uplink – Cellular	1* HSPA+ module (dual SIM)		1* LTE cat.4 module (dual SIM)		
	(LTE: 800/900/1800/2100/2300/2600MHz; UMTS: 850/900/1900/2100MHz; GPRS/EDGE: 850/900/1800/1900MHz) ²				
Uplink - Fixed line	1*RJ45 FE			1*RJ11 ADSL2+	
LAN - Ethernet	3(4)*RJ45 FE			4*RJ45 FE	
WLAN - WiFi	IEEE 802.11b/g/n , 2T2R MIMO (2.4GHz)				
Serial Port	2*RS232/485		1*RS232/485		
Digital Input/Output	2*DI, 2*DO		1* Digital In (“Logic 0”: 0~2V, “Logic 1”: 5V~30V) 1* Digital Out (Relay Mode, up to 30V / 1A)		
Log Storage	1*USB 2.0,1*u-SD		1*USB 2.0		
Power Source	2* DC 9V ~ 48V (Terminal Block) , Power Consumption: max. 15.5W				

WAN	Multiple WANs, Failover/Load Balance
WiFi LAN	AP Router, WDS, WDS Hybrid Modes
VLAN	Port-based, Tag-based VLAN
Port Forwarding	Virtual Server/ Computer, DMZ Host, PPTP/L2TP/IPSec Pass-through
Routing	Static, Dynamic: RIP1/RIP2, OSPF, BGP
Virtual COM	RFC2217, TCP Client, TCP Server, UDP
Modbus	Modbus Slave; Modbus Gateway for Modbus TCP, Modbus RTU/ASCII Master/Slave Access
IEC 60870-5	IEC 104/101 Gateway (only for -CT121)
Data Logging	Sniffer, Off-line Proxy, Full-time Proxy, Sniffer & Proxy mixed modes
VPN	IPSec, OpenVPN, PPTP, L2TP, GRE
Firewall	SPI Firewall with Stealth Mode, IPS
Access Control	Packet Filter, URL Blocking, MAC Filter
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
Configuration & Management	Web, Telnet CLI, Command Script, TR-069, SNMPv3 standard & AMIT MIB
System Operation	MMI, System Information, System Time / Log, Backup & Restore, Reboot & Reset
FTP	FTP Server, User Account
Diagnostic	Packet Analyzer, Diagnostic Tools
Dimension (LxWxH)	187x110x31mm (w/o mounting kit) 31x120x187mm (with DIN Rail kit) 225x110x 39mm (with Bracket kit)
Temperature ³	Operational: -30°C ~ 70°C; Storage: -40°C ~ 85°C
Humidity	10% ~ 95% (non-condensing)

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.

Device Interface:

(1) Front View



(2) Left View



(3) Right View



(Note: Interfaces may vary depending on models.)

Accessory List:

(1) Package Content

1*Device, 2*Cellular Antenna (3dBi), 2*WiFi Antenna (5dBi), 1*Terminal Block (8-pin for DC Power & DI/DO), 1*DIN Rail Bracket, 2*Mounting Brackets, 1*Screw Bag, 1*RJ45 Cable, 4* Rubber feet, 1*CD (User Manual), 1*Power Adapter DC 12V/2A, 1*RJ11 DSL Cable (only for -0TDA1)

Certification:

(1) Approval / Certificate

CE

(2) Standards & Regulation

EMI: EN 55032: 2015 +AC: 2016 Class B

EN 61000-6-4:2007+A1:2011

EN 61000-3-2:2014, 61000-3-3:2013

EMS: EN 55024:2010+A1:2015,

EN 61000-6-2:2005+AC:2005

IEC 61000-4-2(ESD) Level 3

IEC 61000-4-3(RS) Level 3

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 50385

Safety: EN 60950-1 , EN 62368-1:2014

AMIT Wireless Inc.

TEL: +886 (0)6 505 8026 FAX: +886 (0)6 505 8068

Web: <http://www.amit.com.tw> Email: sales@amit.com.tw

No. 28, Lane 31, Huandong Rd., Sec. 1, Xinshi Dist., Tainan City 74146, Taiwan (R.O.C.)

IOG761 Datasheet, V1.7c