

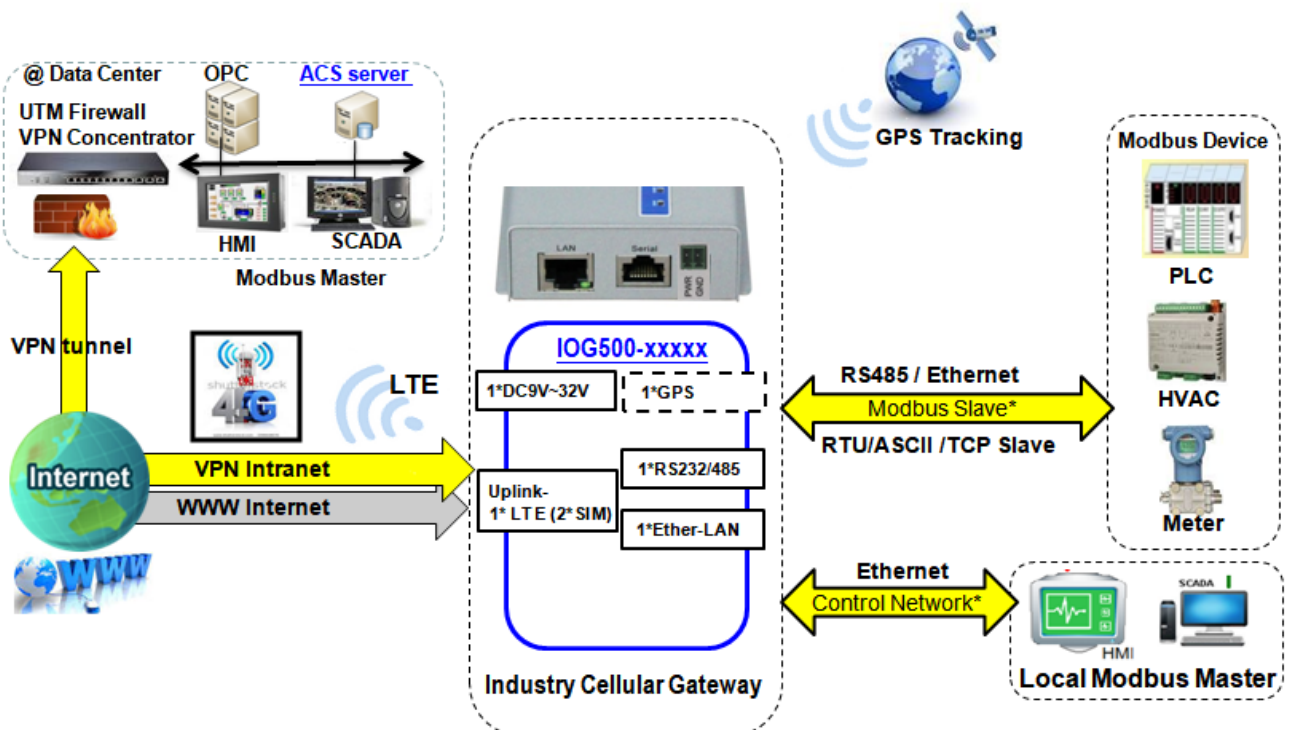


Industry Cellular Gateway

Feature Sets:

- Smart Industry, Smart Utility, and Smart City applications.
- Equip with a dual-SIM cellular module with failover function.
- Equip with one RS232/RS485 interface for Modbus RTU and various serial communication protocol.
- With optional GPS receiver and provide ability for location management.
- Fully network protocol with NAT/Routing support.
- IPsec, OpenVPN, PPTP, and L2TP VPN support up to 3 concurrent tunnels with max 20Mbps 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.

Connection Diagram:



Product Specification¹:

IOG500	-0P001	-CP001	-01001	-0T001
Uplink – Cellular	1* HSPA+ (dual SIM)	1* HSPA+ (dual SIM)	1*LTE Cat.1 (dual SIM)	1* LTE Cat.4 (dual SIM)
	(LTE: 800/900/1800/2100/2300/2600MHz; UMTS: 850/900/1900/2100MHz; GPRS/EDGE: 850/900/1800/1900MHz) ²			
Uplink - Fixed line	-			
LAN - Ethernet	1*RJ45 FE			
GNSS	-	GPS		GPS
Serial Port	1*RS232/485			
Log Storage	-			
Power Source	DC 9V ~ 32V, Power Consumption: max. 5.5W			

WAN	Single WAN, SIM Failover
LAN	LAN IP, Subnet Mask, DHCP
VLAN	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 -CP001)
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; Modbus, SMS, 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
Diagnostic	Packet Analyzer, Diagnostic Tools
Location Track	GNSS (only for the models with GNSS)
Dimension (LxWxH)	93x90x27mm (with mounting brackets)
Temperature ³	Operational: -30°C ~ 70°C; Storage: -40°C ~ 85°C
Humidity	10% ~ 95% (non-condensing)

Device Interface:

(1) Top View



(2) Rear View



(3) Front View



(Note: Interfaces may vary depending on models.)

Accessory List:

(1) Package Content

- 1*Device, 2*Cellular Antenna (3dBi),
- 1*Power Adapter (DC 12V/1A),
- 1*Terminal Block (2-pin for DC Power)
- 2*DIN Rail Bracket,
- 4* Rubber feet, 1*CD (User Manual)

Certification:

(1) Approval / Certificate

CE

(2) Standards & Regulation

- EMI: EN 55032: 2015 +AC: 2016 Class B
- 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 4
- IEC 61000-4-3(RS) Level 3
- IEC 61000-4-4(EFT) Level 4
- IEC 61000-4-5(Surge) Level 2
- IEC 61000-4-6(CS) Level 3
- IEC 61000-4-8(PFMF) Level 4
- Radio: EN 301 489-1/-7/-24/-52
- EN 50385
- 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 performance will be degraded if device's ambient temperature is above 60°C.

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IOG500 Datasheet, V1.7d