

OOG670-0TL01

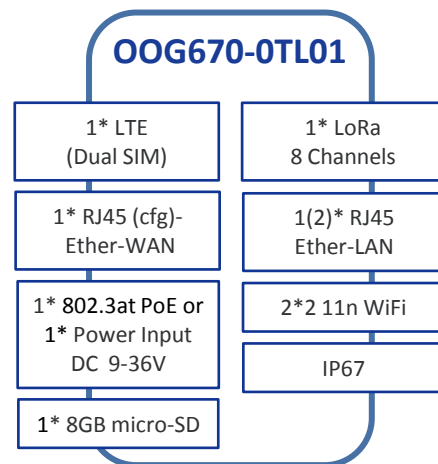
Outdoor 4G LoRa Gateway

The OOG670-0TL01 is optimized to acquire, process and filter large amount of real-time data. The cost-effective LoRa network solution is easy to scale connecting wide range of assets as systems, logic controllers, actuators and sensors.



Applications:

- Standard LoRaWAN networking
- Smart City and ITS
- Remote monitoring
- LoRaWAN



LoRaWAN™ base station

- 8 channels scan, packet forwarder
- Long-range LoRaWAN™



Data & access security

- Firewall; TR-069, SNMP Remote



Robust low-latency networking

- Multi-WAN Failover / Load Balance
- 4G, RJ45 Ethernet



Open platform for developers

- AMIT Linux SDK

Fig.1 OOG670-0TL01 Connection Diagram



Specification Summary

Device Interface

- **4G Module:** 1*4G, 2*SIM
- **LoRa:** 1*LoRa (8*Channel)
- **Ethernet:** 2*RJ45 FE
- **WiFi:** 1*11n-2*2
- **Log Storage:** 1*Built-in 8GB Micro-SD
- **Power Input:** 1*802.3at PoE or 1*DC 9V ~ 36V (Terminal Block)
- **Antenna Con.:** 2*SMA(F)-4G, 1*SMA(F)-LoRa, 2*SMA(M)-WiFi

WAN & Uplink

- **WAN:** Cellular, Ether-WAN, Failover, Load Balance
- **Ether-WAN:** Dynamic IP, Static IP, PPPoE
- **Network Monitor:** ICMP/DNS Query

WiFi

- **Standard:** IEEE 802.11Industry Compliance
- **Mode:** AP Router
- **Functions:** Multi-SSID, WMM
- **Security:** WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x

Protocol

- **LAN & VLAN:** DHCP Server/Relay
- **Port Forward:** Virtual Server, Virtual Computer, DMZ, VPN Pass-through

Object

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

Security

- **Firewall:** SPI Firewall with Stealth Mode, IPS
- **Access Control:** Packet Filter, MAC Filter

Administration

- **Config & Mgmt. :** Web, Telnet & SSL, Command Script, SNMPv3 Std. & Proprietary MIB , TR069, Python*
- **System:** Upgrade, Backup & Restore, Reboot & Reset, SysLog
- **Diagnostic:** Diagnostic Tools

Service

- **Event Handling:** User Defined Manage/Notify Event; Mail, Syslog, SNMP Trap
- **LoRa:**
 - Comply with LoRaWAN protocol v1.0.2
 - Outdoor 4G LoRa Gateway, support Public(external) Network Server and Private(internal) Network Server
 - ISM band support: EU868, US915, AS923
 - Support for up to 8 uplink channels, 125 KHz bandwidth
 - LoRa technology: Spreading Factors
 - Support up to 200 Class A/Class C endpoints

Environment

- **OP/Store Temp.:** -30°C ~ 70°C ; -40°C ~ 85°C
- **Humidity:** 10%~95% (non-condensing)
- **Enclosure:** IP Rate: IP67
- **Dimension:** 210x130x60 mm

Certificate - CE

- Standards & Regulation
- EMI: EN 55032: 2015 +AC: 2016 Class B, EN61000-3/-6
- EMS: EN 55024, IEC 61000
- Radio: EN 301 489, EN 300328 , EN50385
- Safety: EN 60950-1, EN 62368-1

Package Accessory

- 1*Device
- 1*DC Jack to Terminal Block Adaptor
- 2*Cellular Antenna (3dBi), 2*WiFi Antenna, 1*LoRa Antenna
- 1*RJ45 Cable

SKU Information:

OOG670-0TL01-00-yy : build-in Network Server
‘yy’: Area Variant. As below table

yy	SKU	Band / Channel	Channel Plan	System Cert.
E0	EU	863 - 870 MHz	EU868	TBC
U0	US	902 - 928 MHz	US915	TBC
A0	AS	920 - 925 MHz	AS923	TBC

Comment

- Specifications are subject to change without prior notice..
- Besides CE, region Certification need to check for availability.

Mechanic Drawing

• Outside View (Open)



• Inside View (Open)



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