



IPT-LTEGate-POE

Cloud Managed LTE Gateway with PoE out



This industrial-grade router provides Internet connectivity to multiple wired or WiFi devices through LTE carrier. With 4 POE LAN ports, it eliminates the need for power supplies or POE switches when connecting POE enabled devices such as IP cameras. Dual SIM LTE can be used in conjunction with Ethernet WAN for failover/redundancy.

Easy Plug and Play Cloud Management

- No fixed IP or port forwarding needed
- Full access to GUI through IPTECHVIEW
- Rich monitoring and alerting rules

Applications:

- Industrial IoT and networking
- System cloud integration
- Smart City and ITS
- IP Surveillance
- Remote monitoring



Features:

- Dual SIM LTE Cat.4, 1*RJ45 GE WAN
- 4*Gigabit Ethernet with 802.3at PSE
- 1*WiFi 11n/ac 2T2R
- 1*RS232/485, 1*DI+1*DO, 1*USB
- Metal Housing, DIN-Rail / Bracket
- Dual DC 24~56V TB, -30°C ~ 70°C

Device Interface

4G Module: 1*LTE, 2*SIM (2FF)
Ethernet: 1*RJ45 GE, 4*RJ45 GE with 802.3at PSE
WiFi: 1*11a/b/g/n/ac-2T2R 2.4G/5GHz Selectable
Field Bus: 1*RS232/485 (Terminal Block)
Log Storage: 1*USB
I/O: 1*DI ("Logic 0": 0~2V, "Logic 1": 5V~30V),
1*DO (Relay MOde, up to 30V/1A)
Power Input: 2* DC 24V ~ 56V (Terminal Block)
Antenna Con.: 2*SMA (F)-4G, 2*SMA(M)-WiFi

WAN & Uplink

WAN: Cellular & Config, Ether-WAN; Failover, Load Balance
Cellular: 3GPP, 2G/3G/4G, IP Pass-through, IPv4/6
Ether-WAN: Dynamic IP, Static IP, PPPoE, PPTP, L2TP
Network Monitor: ICMP/DNS Query

WiFi

Standard: 802.11 Industry Compliance
Mode: AP Router, WDS Only, WDS Hybrid Modes
Functions: Multi-SSID, WMM
Security: WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x

Protocol

LAN & VLAN: DHCP Server/Relay, Port/Tag based VLAN
IPv6: Dual Stack, Static IPv6, DHCPv6, PPPoEv6
Port Forward: NAT 1-1, 1-many, transversal, DMZ, Virtual Server
& Computer, VPN Pass-through
Routing: Static, Dynamic - RIP1/RIP2, OSPF, BGP
QoS: Policy-based, 802.1q and TOS for priority queues
PoE: Power Control, Manual ON/OFF, Scheduled ON/OFF

Field Comm

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

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

VPN Tunneling: IPSec, OpenVPN, PPTP, L2TP, GRE
Scenario: Site/Host to Site/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

Administration

Configuration: Web UI, CLI, Common d Script, Python*
Management: SNMPv3 Std. & AMIT MIB, TR069
System: Upgrade, Backup & Restore, Reboot & Reset, SysLog
FTP: FTP Server, User Account
Diagnostic: Packet Analyzer, Diagnostic Tools

Service

Cellular Toolkit: Data Usage, SMS, SIM PIN, USSD, Network Scan
Event Handling: User Defined Manage/Notify Event; Action
& Trigger by SMS, Mail, Syslog, SNMP Trap,
Modbus, I/O

Environment

OP/Storage Temp.: -30C ~ 70C' -40C ~ 85C
Humidity: 1% ~ 95% (non-condensing)
Enclosure: Metal, DIN-Rail, Bracket (Optional)
Dimension: 62x125x160mm (w/o mounting kit)
62x135x160mm (with DIN Rail kit)

Certificate - CE

Standards & Regulation
EMI: EN 55032 : 2015 +AC: 2016 Class B
EMS: EN 55024, IEC 61000
Radio: EN 301 489, EN 300 328, EN 301 893, EN50385
Safety: EN 60950-1

Package Accessory

1*Device
1*Terminal Block (8-pin for DC Power & DI/DO)
1*Terminal Block (4-pin for serial port)
1*RJ45 Cable, 1*Power Cord
1*DIN Rail Kit, 1*Screw Bag
1*CD (User Manual)

Cloud Management

- No fixed IP or port forwarding needed
- Full access to GUI through IPTECHVIEW
- Monitoring and Alerting
- Security Certificate / Pre-configuration