

LTECube-CAT4GL 150 Mbps CAT4 LTE IoT Ethernet Gateway

The LTECube-CAT4GL was engineered for the small size, low cost, and power requirements of the IoT & M2M applications that are growing across the globe. The LTECube-CAT4GL provides robust and reliable 150 Mbps CAT4 LTE connections. The LTECube-CAT4GL features Ethernet, USB, and powerful VPN/GRE Tunneling Capabilities.

CAT4 - 150 Mbps LTE

Compact Design

Low Cost!

Gigabit Ethernet

IPv6 & IPv4 Support

USB 2.0 Port



Features

- **USB Powered (5V, 1.5A)**
- **Fast & Robust CAT4 LTE Operation**
- **Engineered for IoT Applications**
- **Low Cost & Low Power Consumption**
- **Up to 150 Mbps Downlink / 50 Mbps Uplink Over Air**
- **Data Usage & Systems Alerts (Email, SMS)**
- **Firewall with ACL Security, DMZ & Port Forwarding**
- **IPSec, GRE / VPN Tunneling**
- **10/100/1000 Ethernet w/PoE**
- **Full IPv6 & IPv4 Support**
- **MQTT Support**
- **Wide Operating Temperature (-40°C to +85°C)**
- **User interface via SSH or HTTP/HTTPS web browser**
- **Microhard NMS Support**

Only 1.75" x 1.75" x 1.35"!



LTECube-CAT4GL Specifications

Supported Bands	LTE FDD: B1,B2,B3,B4,B5,B7,B8,B12,B13, B18,B19,B20,B26,B28 TDD: B38,B39,B40,B41 WCDMA: B1,B2,B4,B5,B8,B6,B19 GSM: B2/B3/B5/B8	Input Voltage	5 - 30VDC PoE (Passive, Max 24V) USB Powered (5V, 1.5A)
Cellular Data Features*	LTE FDD: Up to 150 Mbps DL, 50 Mbps UL LTE TDD: Up to 130 Mbps DL, 35 Mbps UL DC-HSPA+: Up to 42 Mbps DL, 5.7 Mbps UL WCDMA: Up to 384 Kbps DL, 384 Kbps UL EDGE: Up to 296 Kbps DL, 236.8 Kbps UL GSM: Up to 107 Kbps DL, 85.6 Kbps UL	Connectors:	Antenna 3x SMA Female (Main, Diversity, GPS) Data RJ-45 (Ethernet) 4 PIN Interlock (Vin) USB Micro-AB SIM Nano (4FF) 1.8 / 3.0V
<small>*Module Standalone Laboratory Performance</small>		Environmental	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, non-condensing
Ethernet	10/100/1000, Auto - MDI/X IEEE 802.3	Weight	Approx. 105 grams
USB	USB 2.0 USB Tethering	Dimensions	Approx. 1.75" x 1.75" x 1.35" (45mm x 45mm x 35mm)
SMS	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	Approvals	FCC/IC PTCRB RoHS Compliant
Carrier Connection	ICMP Keep Alive, DDNS	Order Options	
Network Protocols	IPv4, IPv6, TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Modbus Slave (TCP), MQTT	Model	LTECube-CAT4GL
Security	VPN, IPSec with IKE/ISAKMP; Multiple tunnel support (16); 3DES and up to 256-bit AES Encryption, Site to Site Tunneling, L2TP, Open VPN), GRE, HTTPS, RADIUS		
Firewall	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Authentication, DMZ		
Management	Telnet, WebUI, SNMP V1/2/3, Wireless Upgrade (HTTP/FTP), RADIUS authentication, AT Command Interface (Telnet), Microhard NMS Support, Data Usage Alerts, SSH		
Diagnostics	RSSI, Ec/No, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow		

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