

LTECubeCAT4-GL-WIFI CAT4 LTE IoT Ethernet Gateway w/WIFI

The LTECubeCAT4-GL-WIFI was engineered for the small size, low cost, and power requirements of the IoT & M2M applications that are growing across the globe. The LTECubeCAT4-GL-WIFI provides robust and reliable 150 Mbps CAT4 LTE connections. The LTECubeCAT4-GL-WIFI features 10/100 Ethernet, Enterprise class 802.11 WIFI, USB, and powerful VPN/GRE Tunneling Capabilities.

CAT4 - 150 Mbps LTE

Compact Design

802.11 WIFI

10/100 Ethernet

IPv6 & IPv4 Support

USB 2.0 Port



Features

- 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 Ethernet w/PoE
- Enterprise Class WIFI (more than 200 clients!)
- High Power 1W WIFI
- 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"!



LTECubeCAT4-GL-WIFI 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			Firewall	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Authentication, DMZ		
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			Management	Telnet, WebUI, SNMP V1/2/3, Wireless Upgrade (HTTP/FTP), RADIUS authentication, AT Command Interface (Telnet), Microhard NMS Support, Data Usage Alerts, SSH		
<i>*Module Standalone Laboratory Performance</i>				Diagnostics	RSSI, Ec/No, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow		
WiFi Features	802.11b/g/n (2.4 GHz)			Input Voltage	7 - 30VDC PoE (Passive, Max 24V)		
WiFi Performance	Rate	Mode	Tx (dBm)	Rx (dBm)	Connectors:	Antenna	3x SMA Female (Main, Diversity, GPS) 1x RPSMA Female (WiFi)
	1 Mbps	b	30	-97 ± 1		Data	RJ-45 (Ethernet) 4 PIN Interlock (Vin)
	11 Mbps	b	30	-92 ± 1		USB	Micro-AB
	6 Mbps	g	30	-94 ± 1		SIM	Nano (4FF) 1.8 / 3.0V
	54 Mbps	g	26	-75 ± 1			
	MCS0	n (HT20)	30	-96 ± 1			
	MCS7	n (HT20)	26	-75 ± 1			
	MCS0	n (HT40)	30	-94 ± 1			
	MCS7	n (HT40)	26	-73 ± 1			
Ethernet	10/100, Auto - MDI/X IEEE 802.3			Environmental	Operating Temperature	-40°C to +85°C -40°F to +185°F	
USB	USB 2.0 USB Tethering				Humidity	5-95%, non-condensing	
SMS	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots			Weight	~105 grams		
Carrier Connection	ICMP Keep Alive, DDNS			Dimensions	~1.75" x 1.75" x 1.35" (45mm x 45mm x 35mm)		
GPS	TCP Server, UDP/Email Reporting, GpsGate			Approvals	FCC/IC PTCRB RoHS		
Navigation Update Rate	Up to 5 Hz			Order Options			
Accuracy	Position:	2.5 m CEP					
Acquisition	SBAS:	2.0 m CEP					
	Cold Starts:	27 seconds					
	Aided Started:	4 seconds					
Sensitivity	Hot Starts:	1 seconds					
(Active/Passive Antenna)	Tracking :	-159 dBm					
	Cold Starts:	-147 dBm					
	Hot Starts:	-156 dBm					
Network Protocols	IPv4, IPv6, TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Modbus Slave (TCP), MQTT			CA-MHK119440 MHK119442	LTECubeCAT4GL-WIFI LTECubeCAT4GL-WIFI-Kit		
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						

Order Options

CA-MHK119440 LTECubeCAT4GL-WIFI
MHK119442 LTECubeCAT4GL-WIFI-Kit

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