

## 4G/LTE Dual Ethernet Gateway w/WIFI

The all new LTEmini-CAT4GL provides a feature packed, robust & compact industrial strength wireless solution using ultra fast 4G/LTE technology for critical data applications. The LTEmini-CAT4GL features Global LTE Band Support, Dual 10/100 Ethernet ports, high power 802.11b/g/n WIFI, USB Direct Connect, comprehensive VPN tunneling and customizable Firewall rules with ACL.



Global 4G/LTE + WIFI

Dual 10/100 Ethernet Ports

Gateway & Hotspot

Wireless Backup Failover

Remote Management

## Features

- Low Power Consumption
- Robust & Compact Design
- Ultra Fast 4G/LTE Operation
- Up to 150Mbps Downlink / 50 Mbps Uplink Over Air
- Support for 802.11b/g/n devices (Up to 150 Mbps)
- IP Pass-through Mode
- Status LED's (RSSI, Status, WIFI, Cell)
- Firewall with ACL Security, DMZ & Port Forwarding
- IPSec, GRE / VPN Tunneling
- Internet Content Filtering (OpenDNS, Custom Rules)
- Bandwidth Control (Throttling)
- 2 - 10/100 Ethernet (PoE), (2x LAN or 1x WAN/1xLAN)
- Wide Operating Temperature (-40°C to +85°C)
- Data Usage Alerts (Email, SMS)
- User interface via telnet or web browser
- Microhard NMS2 & IoT Portal Support



# Specifications



<b>Cellular Supported Bands</b>	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	<b>Diagnostics</b>	RSSI, Ec/No, Voltage, Temperature, Remote diagnostics, UDP Event Reporting, SMS Alerts, Netflow																																				
<b>Cellular Data Features*</b>	LTE FDD: Max 150 Mbps DL, 50 Mbps UL LTE TDD: Max 130 Mbps DL, 35 Mbps UL DC-HSPA+: Max 42 Mbps DL, 5.7 Mbps UL WCDMA: Max 384 Kbps DL, 384 Kbps UL EDGE: Max 296 Kbps DL, 236.8 Kbps UL GSM: Max 107 Kbps DL, 85.6 Kbps UL	<b>Input Voltage</b>	7 - 30VDC or Passive PoE Reverse polarity protection																																				
<small>*Module Standalone Laboratory Performance</small>		<b>Current Consumption (@12VDC)</b>	Idle (LTE Connected): 93~120 mA WIFI (AP Mode + LTE): 170 mA Max Peak: 320 mA																																				
<b>WIFI Features</b>	802.11b/g/n (2.4GHz)	<b>Connectors:</b>	Antenna 2x SMA Female (Cell, Div) 1x RPSMA Female (WIFI) Data 2x RJ-45 (Ethernet) 4 PIN Interlock (Vin) USB Micro-AB SIM 1.8 / 3.0V (Nano - 4FF)																																				
<b>WIFI Performance</b>	<table border="1"> <thead> <tr> <th>Rate</th> <th>Mode</th> <th>Tx (dBm)</th> <th>Rx (dBm)</th> </tr> </thead> <tbody> <tr><td>1 Mbps</td><td>b</td><td>30</td><td>-97 ± 1</td></tr> <tr><td>11 Mbps</td><td>b</td><td>30</td><td>-92 ± 1</td></tr> <tr><td>6 Mbps</td><td>g</td><td>30</td><td>-94 ± 1</td></tr> <tr><td>54 Mbps</td><td>g</td><td>26</td><td>-75 ± 1</td></tr> <tr><td>MCS0</td><td>n (HT20)</td><td>30</td><td>-96 ± 1</td></tr> <tr><td>MCS7</td><td>n (HT20)</td><td>26</td><td>-75 ± 1</td></tr> <tr><td>MCS0</td><td>n (HT40)</td><td>30</td><td>-94 ± 1</td></tr> <tr><td>MCS7</td><td>n (HT40)</td><td>26</td><td>-73 ± 1</td></tr> </tbody> </table>	Rate	Mode	Tx (dBm)	Rx (dBm)	1 Mbps	b	30	-97 ± 1	11 Mbps	b	30	-92 ± 1	6 Mbps	g	30	-94 ± 1	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	<b>Environmental</b>	Operating Temperature -40°C to +85°C Humidity 5-95%, non-condensing
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<b>Ethernet</b>	2x 10/100, Auto - MDI/X IEEE 802.3	<b>Weight</b>	~110 grams																																				
<b>USB</b>	USB 2.0 Direct Connect	<b>Dimensions</b>	~ 2.75 x 3.85 x 1.15" (70 x 98 x 29mm)																																				
<b>SMS</b>	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Control	<b>Approvals</b>	FCC / IC PTCRB RoHS Compliant																																				
<b>Carrier Connection</b>	PAP, CHAP, ICMP Keep Alive, Traffic Watchdog, DDNS, IP pass-through.	<b>Order Options</b>																																					
<b>Network Protocols</b>	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP, Modbus Slave (TCP/Serial)	<b>Model</b>	LTEmini-CAT4GL																																				
<b>Security</b>	VPN, IPSec with IKE/ISAKMP; Multiple tunnel support (16); 3DES and up to 256-bit AES Encryption, VPN Tunneling L2TP, GRE, HTTPS, RADIUS																																						
<b>Firewall</b>	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists, DMZ																																						
<b>Management</b>	Telnet, WebUI, SNMP V1/2/3, Wireless Upgrade (HTTP/FTP), AT Command Interface (Serial/Telnet), Microhard NMS Support, Data Usage Alerts, SSH																																						

**Note: The LTEmini-CAT4GL uses the Dragon-LTE-100-GL**



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