

## LTE CAT M1/NB2-IoT 网关

LTECube-CATM-G2 是专为小尺寸、低成本和低功率设计的IoT和M2M应用，适用于全球范围。

LTECube-CATM-G2提供强劲可靠的LTE M1/NB2-IoT连接，上传速度可达1119kbps，下载速度高达588kbps。

LTECube-CATM-G2 支持以太网、USB和VPN/GRE隧道功能，同时保持低功耗。

LTE CAT M1

NB2-IoT

低成本!

可选的 WiFi

支持 IPv6 & IPv4

PoE (802.3af)

### 特性

- 稳健可靠的 **LTE CATM** 操作
- 为 **IoT** 应用而设计
- 低成本，超低功耗
- 高达 1119 kbps上传 / 588 kbps下载速率
- 数据使用量和系统警报(电子邮件，短信)
- **ACL** 安全防火墙, **DMZ &** 端口转发
- **IPSec, GRE / VPN** 隧道
- **10/100** 以太网
- 可选的企业级 **WiFi** (超过200个客户端)
- 高功率 **1W WiFi** (远距离)
- 完全支持 **IPv6 & IPv4**
- 支持 **MQTT**
- 宽温度范围 (-40°C to +85°C)
- 通过SSH或HTTP/HTTPS web浏览器的用户界面
- 支持 **Microhard NMS & IoT Portal**

## LTE<sup>3</sup>-CATM-G2



只有 **1.75" x 1.75" x 1.35"**!



# LTE<sup>3</sup>-CATM-G2 特性

支持频带	LTE CAT M1 / CAT NB2 / EGPRS  LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/ B18/B19/B20/B25/B26(M1 Only)/ B27 (M1 Only)/B28/B31*/B66/ B71 (NB2 Only)/B72*/B73*/B85  EGPRS: 850/900/1800/1900MHz	管理	Telnet, WebUI, SNMP V1/2/3, Wire- less Upgrade (HTTP/FTP), RADIUS authentication, AT Command Interface (Telnet), Microhard NMS Support, Data Usage Alerts, SSH																																				
蜂窝数据速率*	LTE Cat M1: Max. 588 kbps (DL) Max. 1119 kbps (UL) LTE Cat NB1: Max. 32 kbps (DL) Max. 70 kbps (UL) LTE Cat NB2: Max. 127 kbps (DL) Max. 158.5 kbps (UL) EDGE: Max. 296 kbps (DL) Max. 236.6 kbps (UL) GPRS: Max. 107 kbps (DL) Max. 85.6 kbps (UL)	诊断	RSSI, Ec/No, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow																																				
*Module Standalone Laboratory Performance		输入电压	7 - 58VDC PoE (802.3af)																																				
WiFi 特性 (WiFi Optional)	802.11b/g/n (2.4 GHz)	接口:	天线 SMA Female 数据 RJ-45 (Ethernet) 4 PIN Interlock (Vin) USB Micro-AB SIM Nano (4FF) 1.8 / 3.0V																																				
WiFi 性能 (WiFi Optional)	<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	环境参数	工作温度 -40°C to +85°C -40°F to +185°F 湿度 5-95%, non-condensing
Rate	Mode	Tx (dBm)	Rx (dBm)																																				
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以太网	10/100 BaseT, Auto - MDI/X IEEE 802.3	重量	Approx. 100 grams																																				
USB	USB 2.0 Tethering	尺寸	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	认证	FCC/IC Carrier Specific Approvals																																				
Carrier Connection	ICMP Keep Alive, DDNS	<b>Order Options</b>																																					
网络协议	IPv4, IPv6, TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Modbus Slave (TCP), MQTT	CA-MHK119320	LTECube-CATM-G2																																				
安全	VPN, IPSec with IKE/ISAKMP; Multiple tun- nel support; 3DES and up to 256-bit AES Encryption, Site to Site Tunneling, L2TP, Open VPN), GRE, HTTPS, RADIUS	CA-MHK119322	LTECube-CATM-G2-Kit																																				
防火墙	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Au- thentication, DMZ	CA-MHK119340	LTECube-CATM-G2-WIFI																																				
		CA-MHK119342	LTECube-CATM-G2-WIFI-Kit																																				

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