

150Mbps CAT4 LTE IoT以太网网关，带802.11 WIFI

LTECubeCAT4是为全球范围内日益增长的IoT&M2M应用的小尺寸、低成本和功率需求而设计的。

LTECubeCAT4-NA2-WIFI 提供强大可靠的CAT4 LTE，速度可达150Mbps。

LTECubeCAT4-NA2-WIFI 具有10/100以太网，大功率802.11 WIFI，USB 2.0，独立GPS，强大的VPN/GRE隧道功能。

CAT4 - 150 Mbps LTE

802.11 WIFI

高功率 WIFI (1W)

10/100 以太网

支持IPv6 & IPv4

USB 2.0 端口



特性

- **USB 供电 (5V, 1.5A)**
- 快速稳健的CAT4 LTE运营
- 为 **IoT** 应用而设计
- 低成本，低功耗
- 空中下行速率可达150Mbps / 上行速率可达50Mbps
- 企业级WIFI (超过200个客户端!)
- 高功率 **1W WIFI**
- 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 **w/PoE**
- 完全支持 **IPv6 & IPv4**
- 支持 **MQTT**
- 宽工作温度范围 (**-40 °C to +85°C**)
- 通过SSH或HTTP/HTTPS web浏览器的用户界面
- 支持 **Microhard NMS**

只有 **1.75" x 1.75" x 1.35"!**



Can be USB powered!

LTECubeCAT4-NA2-WIFI 特性

支持频带	LTE FDD: B2,B4,B5,B12,B13,B14,B66,B71 WCDMA: B2,B4,B5	防火墙	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Authentication, DMZ																																				
蜂窝数据特性*	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	管理	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>		诊断	RSSI, Ec/No, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow																																				
以太网	10/100, Auto - MDI/X IEEE 802.3	输入电压	5 - 30VDC PoE (Passive, Max 24V) USB Powered (5V, 1.5A)																																				
WIFI 特性	802.11b/g/n (2.4 GHz)	接口:	天线3x SMA Female (Main, Diversity, GPS) 1x RPSMA Female (WIFI)																																				
WIFI 性能	<table><tr><th>Rate</th><th>Mode</th><th>Tx (dBm)</th><th>Rx (dBm)</th></tr><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></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	数据RJ-45 (Ethernet) 4 PIN Interlock (Vin)
	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																																				
USB	USB 2.0 USB Tethering	USB SIM	Micro-AB Nano (4FF) 1.8 / 3.0V																																				
SMS	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	环境参数	工作温度-40°C to +85°C -40°F to +185°F 湿度5-95%, non-condensing																																				
Carrier Connection	ICMP Keep Alive, DDNS	重量	大约105 克																																				
GPS	TCP Server, UDP/Email Reporting, GpsGate	尺寸	Approx. 1.75" x 1.75" x 1.35" (45mm x 45mm x 35mm)																																				
导航更新率精度	Up to 5 Hz	认证	FCC/IC PTCRB RoHS Compliant																																				
定位时间	Position: 2.5 m CEP SBAS: 2.0 m CEP																																						
	Cold Starts: 27 seconds Aided Started: 4 seconds																																						
灵敏度 (Active/Passive Antenna)	Hot Starts: 1 seconds Tracking : -159 dBm Cold Starts: -147 dBm Hot Starts: -156 dBm																																						
网络协议	IPv4, IPv6, TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Modbus Slave (TCP), MQTT	Order Options																																					
安全	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	CA-MHK119455 MHK119457	LTECubeCAT4-NA2-WIFI LTECubeCAT4-NA2-WIFI-KIT																																				

Contact Information

Microhard Systems Inc.
150 Country Hills Landing N.W.
Calgary, AB, Canada T3K 5P3

Email: info@microhardcorp.com
Tel: (403) 248-0028
Fax: (403) 248-2762

Copyright 2022 Microhard Systems Inc.
Specifications subject to change without notice.

