

BulletCAT12 - LTE 先进的载波聚合 600Mbps CAT12 网关

BulletCAT12 提供了集成的、紧凑的工业标准无线解决方案，使用健壮的LTE先进载波聚合技术的可靠的数据通信。Bullet 提供难以置信的快速CAT12 LTE连接，速率高达600Mbps，可以应用于现今的数据密集型应用。BulletCAT12 具有双SIM卡(故障备援)，千兆以太网，RS232/485串行数据，两个可编程I/O和GPS。

CAT12 - 600 Mbps LTE

载波聚合

独立的 GPS

千兆以太网

双 SIM卡 (故障备援)

RS232/485 串口



特性

- 输入电压: 5-30V_{DC} (5V @ 2.0A)
- 超快速 CAT12 LTE 操作
- 高达 600Mbps下行 / 150Mbps上行 空中速率
- 载波聚合增强性能
- 数据流量警报和系统警报 (邮件, 短信)
- ACL安全级别防火墙, DMZ 和 端口转发
- 2个可编程模拟/数字信号输入 或 2个数字信号输出
- IPSec, GRE / VPN Tunneling
- RS232/485 串行 控制台/数据通讯 接口
- 10/100/1000Mbps 以太网 (PoE)
- 支持 IPv6 和 IPv4
- 支持 MQTT
- 独立的 GPS (TCP/UDP/SMTP)
- 宽工作温度范围 (-40°C to +85°C)
- 通过 SSH 或者 HTTP/HTTPS 配置模块
- 支持 Microhard NMS



BulletCAT12

特性

支持频段	<p>LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B21/B25/B26/B28/B29/B30/B32/B66;</p> <p>LTE-TDD: B38/39/B40/B41</p> <p>WCDMA: B1/B2/B3/B4/B5/B8/B9/B19</p> <p>DL 2×CA: B1+3/5/18/19/20/26; B2+2/4/5/12/13/17/29/30/66; B3+3/5/7/8/19/20/28; B4+4/5/12/13/17/29/30; B5+7/30/66; B7+7/20/28; B12+30; B13+66; B19+21; B20+B32; B29+30; B38+38; B39+39; B39+39; B39+41; B40+40; B41+41; B66+66, 12, 29, 30, 5; B2+B14; B14+B30; B14+B66;</p> <p>DL 3×CA: DL inter-band 3CA: B1+3+5/7/8/19/20/28; B1+7+20; B2+4+5; B2+4+13, B2+5+30; B2+12+30; B2+29+30, B3+7+20, B3+7+28, B3+7+8, B4+5+30, B4+12+30, B4+29+30, B5+66+2, B13+66+2; B66+12+30; B66+29+30, B66+5+30; B2+B14+B66; DL 2 intra-band plus inter-band 3CA: B2+2+5; B2+2+13; B3+3+7; B3+7+7; B3+3+20; B3+3+28; B3+3+1; B4+4+5; B4+4+13; B7+7+28; B5+66+66; B13+66+66; B66+66+2; B39+B39+B41; B39+B41+B41; B14+B66+B66 DL 3 intra-band 3CA: B40+40+40; B41+41+41; B66+66+66</p> <p>UL 2×CA: B3+3; B41+41</p>	网络协议	IPv4, IPv6, TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP, Modbus Slave (TCP/Serial), MQTT
蜂窝数据特性*	<p>LTE-FDD: Max 600Mbps (DL), Max 150Mbps (UL)</p> <p>LTE-TDD: Max 430Mbps (DL), Max 30Mbps (UL)</p> <p>UMTS: DC-HSDPA: Max 42Mbps (DL)</p> <p>HSUPA: Max 5.76Mbps (UL)</p> <p>WCDMA: Max 384Kbps (DL), Max 384Kbps (UL)</p>	安全	VPN, IPsec with IKE/ISAKMP; Multiple tunnel support (16); 3DES and up to 256-bit AES Encryption, Site to Site Tunneling, L2TP, GRE, Open VPN, SSH, HTTPS, RADIUS
*模块实验室独立测试性能		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
串行接口串	RS232/485 串口	配置	Telnet, WebUI, SNMP V1/2/3, Wireless Upgrade (HTTP/FTP), RADIUS authentication, AT Command Interface (Serial/Telnet), Microhard NMS Support, Data Usage Alerts, SSH
口波特率	300bps to 921kbps	诊断	RSSI, Ec/No, Voltage, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow
串口服务器	多种工作方式串口服务器: TCP 服务端/客户端, UDP 服务端/客户端, Modbus, SMTP	输入电压	5 - 30VDC or Passive PoE on LAN Reverse polarity protection
以太网	10/100/1000 BaseT, Auto - MDI/X IEEE 802.3	接口:	<p>天线数据 3x SMA Female (Cell, Diversity, GPS) RJ-45 (Ethernet) 4 PIN Interlock (Vin, I/O)) DB9 RS232</p> <p>USB SIM Micro-AB Dual Nano (4FF)</p>
I/O口	2个可编程模拟/数字信号输入 或 2个数字信号输出	工作环境	<p>工作温度 -40°C to +85°C -40°F to +185°F</p> <p>工作湿度 5-95%, non-condensing</p>
USB	USB 2.0 USB (Device)	重量	大约150克
GPS	TCP/UDP/Email Reporting, GpsGate, TAIP	尺寸	大约 1.75" x 3.25" x 1.0" (45mm x 85mm x 25mm)
GNSS Systems	GLONASS, BeiDou & Galileo	认证	FCC/IC PTCRB CE EN301908-1, EN301908-2, EN301908-13 EN303413, EN301489-1, EN301489-52 EN 62311, EN55032, EN55035, EN62368 RoHS 2 2011/65/EU Compliant REACH EC1907/2006 Compliant UL Hazloc (C1D2) Carrier Specific Approvals
GPS Protocols	NMEA 0183 V3.0	Order Options	
Acquisition Sensitivity	-145 dBm (Cold-start)	Model	BulletCAT12
Tracking Sensitivity	-160 dBm (Open Sky/Active-patch Antenna)		
Accuracy	<2m CEP-50 (Open sky, 1 Hz tracking)		
Standalone time to first fix	1s/29s/32s (hot/warm/cold)		
Total number of SVs	~55 SVs		
短信	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots		
载波连接	ICMP Keep Alive, DDNS		

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 2021 Microhard Systems Inc.
Specifications subject to change without notice.

