

## BulletCAT11 - LTE 高级载波聚合 600Mbps CAT11 网关

BulletCAT11使用强大先进的LTE载波聚合技术，为用于关键数据通信提供了一个功能密集、紧凑的工业强度无线解决方案。Bullet提供了令人难以置信的快速CAT11 LTE连接和速度高达600Mbps支持今天的数据密集型应用。

CAT11 - 600 Mbps LTE

载波聚合

4星GPS

千兆以太网

工业级温度

RS232/485串口



## Features

- 极速CAT 11 LTE运作
- 高达下行600Mbps/上行75Mbps的空中速率
- 高性能的载波聚合
- 数据使用/系统警报(电子邮件, SMS短信)
- 基于ACL安全的防火墙, DMZ与端口转发
- 2路可编程模拟/数字输入 或 2路数字输出
- IPSec, GRE / VPN 隧道
- RS232/485串行控制/数据口
- 10/100/1000M以太网(支持PoE)
- 支持IPv6与IPv4
- 支持消息队列遥测传输MQTT
- 4星GPS (TCP/UDP/SMTP)
- 宽温度工作范围 (-40℃ — +85℃)
- 可通过SSH或HTTP/HTTPS进行配置
- Microhard NMS软件整合支持



# BulletCAT11

# Specifications

<b>支持频段</b>	<p><b>LTE FDD Bands:</b> 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 20, 25, 26, 28, 29, 30, 66</p> <p><b>LTE TDD Bands:</b> 38, 40, 41</p> <p><b>HSPA+ Bands:</b> 1, 2, 4, 5, 8</p> <p><b>LTE 2DL载波汇聚组合</b> 北美 B2+B2, B2+B4, B2+B5, B2+B12, B2+B13, B2+B17, B2+B29, B2+B30, B4+B4, B4+B5, B4+B7, B4+B12, B4+B13, B4+B17, B4+B29, B4+B30, B5+B30, B12+B12, B12+B30, B25+B25, B25+B26, B25+B41, B26+B41, B29+B30, B41+B41</p> <p><b>LTE 3DL载波汇聚组合</b> 北美 B2+B2+B12/17, B2+B2+B13, B2+B2+B4, B2+B4+B5, B2+B4+B12, B2+B4+B13, B2+B4+B29, B2+B5+B30, B2+B12+B12, B2+B12+B30, B2+B29+B30, B4+B4+B5, B4+B4+B7, B4+B4+B12, B4+B4+B13, B4+B5+B30, B4+B12+B12, B4+B12+B30, B4+B29+B30, B25+B26+B41, B25+B41+B41, B26+B41+B41, B41+B41+B41</p>	<b>安全</b>	VPN, IPSec with IKE/ISAKMP; 多通道支持 (最大16通道); 3DES和最大256位AES加密, 端对端通道,L2TP, GRE, Open VPN, SSH, HTTPS,RADIUS
<b>蜂窝数据特性*</b> <small>*模块单独实验室性能</small>	LTE: Up to 600 Mbps DL w/3x CA DL, 256QAM DL Up to 75 Mbps UL w/UL 64 QAM HSPA+ Rel. 8: 下行/上行 42/11.5 Mbps	<b>防火墙</b>	NAT, NAT-T VPN隧道, 端口转发,VPN/GRE透传; 访问控制列表 (IP/MAC过滤), 数据源/完整性鉴定, DMZ
<b>串行接口</b>	RS232/485串行数据口	<b>管理</b>	Telnet, WebUI, SNMP V1/2/3, 无线升级 (HTTP/FTP), RADIUS认证, AT命令界面 (Serial/Telnet),Microhard NMS软件支持, 数据异常警报,SSH
<b>串口速率</b>	300bps to 921kbps	<b>诊断</b>	RSSI, Ec/No, 电压, 温度, 远程诊断, 监视器, UDP报表, SMS短信报警, 流量分析
<b>串口服务器</b>	广泛的串口支持: TCP Server/Client /UDP Server/Client / Modbus / SMTP	<b>输入电压</b>	7 - 30VDC、源于LAN口的PoE供电 极性反接保护
<b>以太网</b>	10/100/1000 BaseT, Auto - MDI/X IEEE 802.3	<b>接口:</b>	<p><b>天线</b> 3x SMA Female (Cell, Cell Div, GPS)</p> <p><b>数据</b> RJ-45 (Ethernet) 4 PIN Interlock (Vin, I/O) DB9 RS232</p> <p><b>USB</b> Micro-AB</p> <p><b>SIM</b> 1.8 / 3.0V</p>
<b>I/O输入输出</b>	2路可编程模拟/数字输入, 或者 2路数字输出	<b>环境</b>	<p><b>工作温度</b> -40°C to +85°C -40°F to +185°F</p> <p><b>湿度</b> 5-95%, 无凝结</p>
<b>USB</b>	USB 2.0 USB (Device)	<b>重量</b>	大约150克
<b>GPS</b>	TCP/UDP/电子邮件报告, GpsGate, TAIP	<b>尺寸</b>	大约1.75" x 3.25" x 1.0" (45mm x 85mm x 25mm)
GNSS Systems	GLONASS, BeiDou & Galileo	<b>认证</b>	FCC / IC PTCRB Carrier Specific Approvals
GPS Protocols	NMEA 0183 V3.0	<b>Order Options</b>	
Acquisition Sensitivity	-145 dBm (Cold-start)	<b>型号</b>	BulletCAT11
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		
<b>SMS短信</b>	SMS 通过Telnet访问以太网 SMS 报警 SMS 远程重启		
<b>载波汇聚</b>	ICMP Keep Alive, DDNS		
<b>网络协议</b>	IPv4, IPv6, TCP, UDP, TCP/IP, ARP, ICMP,DHCP, HTTP, SNMP, FTP, DNS, Serial over IP,Modbus Slave (TCP/Serial), MQTT消息队列遥测传输		

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