

BulletCATM - CATM NBloT LTE Gateway

The BulletCATM was engineered specifically for the small size, low cost, and low power requirements of the IoT & M2M applications that are surging across the globe. The BulletCATM provides robust and reliable LTE Category M/NBLoT connections with speeds up to 375 kbps. The BulletCATM features Ethernet, RS232/485 Serial Data, and Tunneling Capabilities all while retaining low power consumption.

LTE CATM - 375 kbps

Low Power Usage

Low Cost!

Ethernet Port

IPv6 & IPv4 Support

RS232/485 Serial Port



Features

- Robust & Reliable LTE CATM Operation
- Engineered for IoT Applications
- Low Cost & Ultra Low Power Consumption
- Up to 375 kbps Download / 375 kbps Upload
- Data Usage & Systems Alerts (Email, SMS)
- Firewall with ACL Security, DMZ & Port Forwarding
- IPSec, GRE / VPN Tunneling
- RS232/485 Serial Console/Data Port
- 10/100 Ethernet w/PoE
- Full IPv6 & IPv4 Support
- MQTT Support
- Wide Operating Temperature (-40°C to +85°C)
- User interface via SSH or HTTP/HTTPS web browser
- Microhard NMS Support



BulletCATM

Specifications

Supported Bands	3GPP Release 13 LTE Cat M1 Half-Duplex LTE NB1 Half-Duplex LTE Bands: 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28	Input Voltage	5 - 30VDC or Passive PoE on LAN Reverse polarity protection
Cellular Data Features* <small>*Module Standalone Laboratory Performance</small>	LTE Category M1: - up to 375 kbps UL - up to 375 kbps DL LTE Category NB1: - up to 62.5 kbps UL - up to 27.2 kbps DL	Connectors:	Antenna SMA Female Data RJ-45 (Ethernet) 4 PIN Interlock (Vin) DB9 RS232 USB Micro-AB SIM Nano (4FF) 1.8 / 3.0V
Serial Interface	RS232/485 Serial Data Port	Environmental	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, non-condensing
Serial Baud Rate	300bps to 921kbps	Weight	Approx. 125 grams
Serial Port Server	Extensive Serial Port Support: TCP Server/ Client / UDP Server/Client / Modbus / SMTP	Dimensions	Approx. 1.75" x 3.25" x 1.0" (45mm x 85mm x 25mm)
Ethernet	10/100 BaseT, Auto - MDI/X IEEE 802.3	Approvals	FCC/IC Carrier Specific Approvals
USB	USB 2.0 Tethering	<h2>Order Options</h2> MHK117640 BulletCATM MHK117642 BulletCATM w/Kit	
SMS	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots		
Carrier Connection	ICMP Keep Alive, DDNS		
Network Protocols	IPv4, IPv6, TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP, Modbus Slave (TCP/Serial), MQTT		
Security	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		
Firewall	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP/MAC filtering), Data origin / integrity Au- thentication, DMZ		
Management	Telnet, WebUI, SNMP V1/2/3, Wireless Up- grade (HTTP/FTP), RADIUS authentication, AT Command Interface (Serial/Telnet), Mi- crohard NMS Support, Data Usage Alerts, SSH		
Diagnostics	RSSI, Ec/No, Temperature, Remote diag- nostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow		

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