

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

- Can be 5V USB Powered (5V, 1.5A)
- 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



Can be USB powered!

BulletCATM

Specifications

Supported Bands	LTE FDD Bands: B12(700), 17(700), 28(700), 13(700), 20(800), 26(850), 5(850), 19(850), 8(900), 4(1700), 3(1800), 2(1900), 25(1900) LTE TDD Bands: 39(1900)	Input Voltage	5 - 30VDC or Passive PoE on LAN Or USB powered: 5V (1.5A) 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	Order Options	
SMS	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	MHK117640	BulletCATM
Carrier Connection	ICMP Keep Alive, DDNS	MHK117642	BulletCATM w/Kit
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 tunnel support (16); 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 Authentication, DMZ		
Management	Telnet, WebUI, SNMP V1/2/3, Wireless Upgrade (HTTP/FTP), RADIUS authentication, AT Command Interface (Serial/Telnet), Microhard NMS Support, Data Usage Alerts, SSH		
Diagnostics	RSSI, Ec/No, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow		

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 2018 Microhard Systems Inc.
Specifications subject to change without notice.

