

BulletCATM-G2 - CATM NBIoT LTE Gateway

The BulletCATM-G2 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-G2 provides robust and reliable LTE Category M1/NB2-IoT connections with upload speeds up to 1119kbps and downloads of up to 588kbps. The BulletCATM-G2 features Ethernet, RS232/485 Serial Data, and VPN Tunneling Capabilities all while retaining low power consumption.

LTE CAT M1

NB2-IoT

Low Cost!

PoE (802.3af)

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 1119 kbps Upload / 588 kbps Download
- 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 (802.3af)
- 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-G2

Specifications

Supported Bands	LTE CAT M1 / CAT NB2 / EGPRS LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/ B18/B19/B20/B25/B26(M1 Only)/ B27 (M1 Only)/B28/B31*/B66/ B71 (NB2 Only)/B72*/B73*/B85 EGPRS: 850/900/1800/1900MHz	Input Voltage	7 - 58VDC PoE (802.3af)
Cellular Data Rates*	LTE Cat M1: Max. 588 kbps (DL) Max. 1119 kbps (UL) LTE Cat NB1: Max. 32 kbps (DL) Max. 70 kbps (UL) LTE Cat NB2: Max. 127 kbps (DL) Max. 158.5 kbps (UL) EDGE: Max. 296 kbps (DL) Max. 236.6 kbps (UL) GPRS: Max. 107 kbps (DL) Max. 85.6 kbps (UL) *Module Standalone Laboratory Performance	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	~125 grams
Serial Port Server	Extensive Serial Port Support: TCP Server/ Client / UDP Server/Client / Modbus / SMTP	Dimensions	~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 PTCRB RoHS Compliant Carrier Specific Approvals
USB	USB 2.0 Tethering	Order Options	
SMS	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	CA-MHK117650	BulletCATM-G2
Carrier Connection	ICMP Keep Alive, DDNS	CA-MHK117652	BulletCATM-G2 w/Acc 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 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		

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 2023 Microhard Systems Inc.
Specifications subject to change without notice.

