

LTECube-CAT4NA2 150 Mbps CAT4 LTE IoT Ethernet Gateway

The LTECube-CAT4NA2 was engineered for the small size, low cost, and power requirements of the IoT & M2M applications that are growing across the globe. The LTECube-CAT4NA2 provides robust and reliable CAT4 LTE with speeds up to 150 Mbps. The LTECube-CAT4NA2 features Gigabit Ethernet, USB 2.0, Standalone GPS, and powerful VPN/GRE Tunneling Capabilities.

CAT4 - 150 Mbps LTE

Compact Design

Low Cost!

Gigabit Ethernet

IPv6 & IPv4 Support

USB 2.0 Port



New! Optional 802.11af POE Support!

Features

- USB Powered (5V, 1.5A)
- Fast & Robust CAT4 LTE Operation
- Engineered for IoT Applications
- Low Cost & Low Power Consumption
- Up to 150 Mbps Downlink / 50 Mbps Uplink Over Air
- Data Usage & Systems Alerts (Email, SMS)
- Firewall with ACL Security, DMZ & Port Forwarding
- IPSec, GRE / VPN Tunneling
- 10/100/1000 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

Only 1.75" x 1.75" x 1.35"!



Can be USB powered!

LTECube-CAT4NA2 Specifications

Supported Bands	LTE FDD: B2,B4,B5,B12,B13,B14,B66,B71 WCDMA: B2,B4,B5	Diagnostics	RSSI, Ec/No, Temperature, Remote diagnostics, Watchdog, UDP Event Reporting, SMS Alerts, Netflow
Cellular Data Features*	LTE FDD: Up to 150 Mbps DL, 50 Mbps UL LTE TDD: Up to 130 Mbps DL, 35 Mbps UL DC-HSPA+: Up to 42 Mbps DL, 5.7 Mbps UL WCDMA: Up to 384 Kbps DL, 384 Kbps UL	Input Voltage	5 - 30V _{DC} PoE (Passive, Max 24V) USB Powered (5V, 1.5A)
<i>*Module Standalone Laboratory Performance</i>		Input Voltage (AF Option)	802.11af PoE Support (7 to 60V _{DC})
Ethernet	10/100/1000, Auto - MDI/X IEEE 802.3	Connectors:	Antenna 3x SMA Female (Main, Diversity, GPS) Data RJ-45 (Ethernet) 4 PIN Interlock (Vin) USB Micro-AB SIM Nano (4FF) 1.8 / 3.0V
USB	USB 2.0 USB Tethering	Environmental	Operating Temperature -40°C to +85°C -40°F to +185°F Humidity 5-95%, non-condensing
SMS	SMS to/from Ethernet via Telnet SMS Alerts SMS Remote Reboots	Weight	Approx. 105 grams
Carrier Connection	ICMP Keep Alive, DDNS	Dimensions	Approx. 1.75" x 1.75" x 1.35" (45mm x 45mm x 35mm)
GPS	TCP Server, UDP/Email Reporting, GpsGate	Approvals	FCC/IC PTCRB RoHS Compliant
Navigation Update Rate	Up to 5 Hz		
Accuracy	Position: 2.5 m CEP SBAS: 2.0 m CEP		
Acquisition	Cold Starts: 27 seconds Aided Started: 4 seconds Hot Starts: 1 seconds		
Sensitivity (Active/Passive Antenna)	Tracking : -159 dBm Cold Starts: -147 dBm Hot Starts: -156 dBm		
Network Protocols	IPv4, IPv6, TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Modbus Slave (TCP), 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 (Telnet), Microhard NMS Support, Data Usage Alerts, SSH		

Order Options

Models LTECube-CAT4NA2
-AF 802.11af PoE

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