

# LTE Modem

## External Modem for CEL-FI Systems

**MODEL NUMBERS:** LTEM-EU

The Nextivity LTE Modem brings CEL-FI systems online for WAVE Portal remote management capabilities. Equipped with a CAT 4 LTE modem, the device offers high-speed data transfer rates for seamless system monitoring as well as performing software updates for CEL-FI systems installed in locations where local ISP LAN connectivity is not available. The LTE Modem is compatible with CEL-FI GO and CEL-FI QUATRA products and connects to the LAN port on a CEL-FI system via category cable.

### Features and benefits include:

- High-speed LTE CAT 4 modem for WAVE management of CEL-FI devices
- WAN port for local ISP connection for redundancy with auto switchover
- Single product for EMEA and APAC operator networks with respective operator SIM
- Connect up to two CEL-FI devices with category cables by reconfiguring WAN port
- Includes SIM-card-size adapter for flexibility to use with nano, micro, and full size SIM



LTE Modem



Use Nextivity **WAVE** App to view real-time system performance.



## Specifications

Frequency Bands	1/3/7/8/20/28L/38/40/41
Networks	2G/3G/4G
Network Standards	GSM/WCDMA/LTE
Duplex Modes	FDD & TDD
Impedance ( $\Omega$ )	50
Antenna ESD Protection (kV)	15
Ethernet ESD Protection (kV)	1.5
Ethernet	100BASE-TX Fast Ethernet
RMS Ethernet Isolation (kV)	1.5
Network Protocols	PPP, PPPoE, SNMP v1/v2c/v3, TCP, UDP, DHCP, RIPv1/v2, OSPF, BGP, DNS, DDNS, HTTP, ARP, QoS, SNTP, Telnet, SSH
Redundancy	WAN switchover (optional)

## Interface

Antenna/Donor RF Connector	SMA (f)
SIM Slot	1FF Full Size SIM Card Tray (Includes adapter for 3FF Micro & 4FF Nano SIM)
LAN	1x RJ 45
WAN	1x RJ 45
DC Input	5.5 x 2.5 mm (f) Barrel
Status LED (PWR/LAN/WAN/ONLINE/SYS/ALARM)	1x Green
Status LED (Signal Strength)	3x Green
Factory Reset	Reset button

## Compliance

3GPP	Release 11 LTE
CE	Directive 2014/53/EU Compliant
RoHS	Directive 2015/863/EU Compliant
REACH	Regulation EC 1907/2006 Compliant
Australia/New Zealand	RCM Approved

## Power Supply

Power Consumption (W max.)	18
AC Adapter Plug*	Type C (EU)
AC Adapter Cable	22 AWG
AC Adapter Cable Length (ft (m))	3.3 (1)
Modem Input Voltage (VDC)	5-35

\* Alternate AC adapters available on special request

## Environmental

Operating Temperature (°F (°C))	32 to 104 (0 to 40)
Storage Temperature (°F (°C))	-31 to 158 (-35 to 70)
Heat Dissipation	Passive Convection
Surface Temperature (°F (°C) max. at ambient)	111.2 (44)
Non-condensing Humidity (%)	0 to 95
Ingress Protection Rating	IP20 Indoor Only

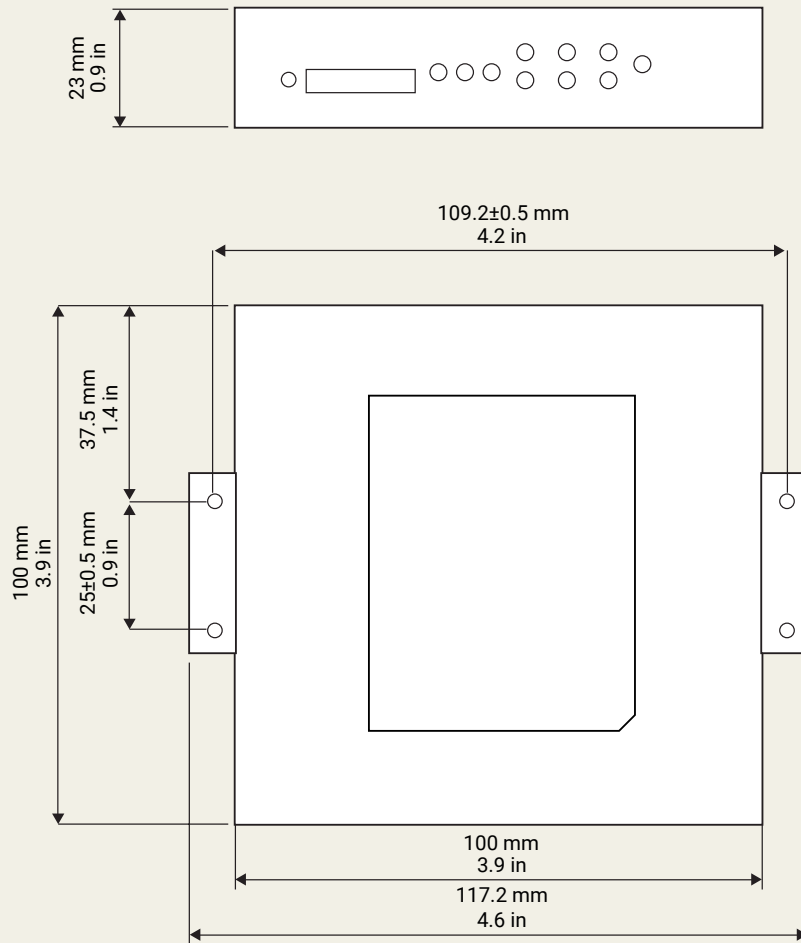
## Mechanical & Packaging

Box Contents	Modem
	Mag-Mount Antenna
	Category Cable
	AC Adapter
	Mounting Hardware
	SIM Card Adapter
Main Unit Dimensions (in (mm))	4.61 x 3.94 x 0.91(117 x 100 x 23)
Main Unit Weight (lbs (kg))	0.71 (0.32)
Shipping Dimensions (in (mm))	11.10 x 9.72 x 2.72 (282 x 247 x 69)
Shipping Weight (lbs (kg))	1.50 (0.68)

## Ordering Information

M/N#	LTEM-EU
Regions	EMEA & APAC

## Modem Outline



Product specifications are subject to change without prior notification.