



# CME Gateway

(CME22-2n-BG77)

A rugged low-cost, low-bandwidth modem to connect Ethernet devices to mobile network... on the tightest budget ever!



2X ETHERNET PORTS



CAT-M/NB MOBILE INTERNET MODEM



ROUTEROS V7



GNSS SUPPORTED



FLEXIBLE POWERING: POE-IN, POE-OUT, 2-PIN TERMINAL



IP66 WATER RESISTANCE



2.4 GHZ WIRELESS



**Add remote management  
to your Ethernet IoT setups**

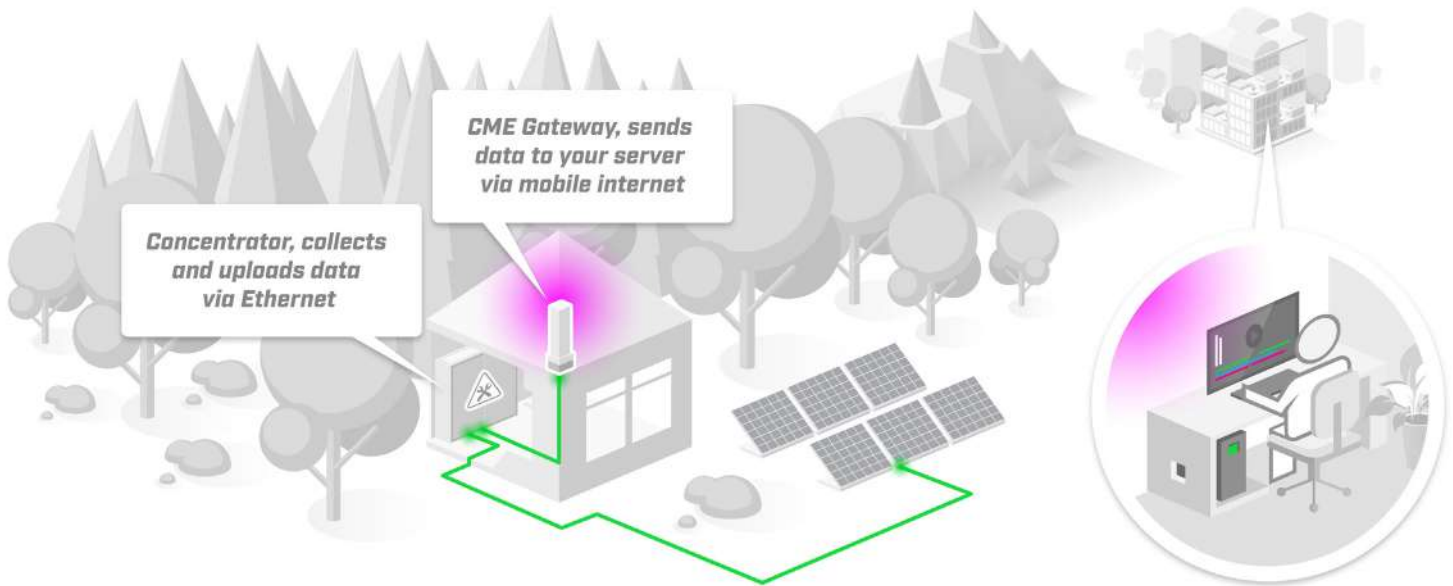
AND save tons of money on data plans  
at the same time!



Are you tired of wired sensor limitations? Wouldn't it be nice if legacy devices - like electricity meters - could send their data over the mobile network, like our phones do? With CME Gateway you can achieve just that – and more!



It has two Ethernet ports, an on-board CPU, some RAM, and the crown jewel: a powerful built-in CAT-M narrow-band LTE modem. For extremely efficient, low-cost, low-bandwidth mobile internet connectivity. Sure, the narrowband won't be able to stream YouTube videos, but it serves a different purpose: it offers better network coverage and transmits data via the most affordable data plans in the world.



With the **IP66 water resistance** rating, the sturdy unit can survive a variety of harsh environments and setups: damp attics, rainy forests, farming equipment and so on. It has **PoE-in, PoE-out**, and a **2-pin DC terminal** for handy powering. And to make management even easier - we've added a simple single-chain 2.4 GHz wireless - so you can use the MikroTik smartphone app to configure everything.

Also, a fun bonus: the board supports GPS, so if you know your way around RouterOS scripting, you can try collecting weekly, daily or even hourly location data as well!

## • Specifications

Product code	CME22-2n-BG77
CPU	QCA9531-BL3A-R 650 MHz
CPU architecture	MIPSBE
CPU core count	1
Size of RAM	64 MB
RAM type	DDR2
Storage	16 MB, Flash
Number of 100M Ethernet ports	2
Switch chip model	QCA9531
Wireless interface model	QCA9531-BL3A-R (2.4 GHz)
Wireless	802.11b/g/n
Antenna gain	2 dBi
GNSS interface model	BG77
GNSS standard	BeiDou, Galileo, GPS, Glonass
Antenna gain (GNSS)	3.9 dBi
IoT modem	BG77
Cat NB type	Cat NB2
Cat NB band	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71
Cat M type	Cat M1
Cat M band	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66
Dimensions	253 x 88 x 60 mm
Operating system	RouterOS v7, License level 4
Operating temperature	-40°C to +70°C

## • Powering

Number of DC inputs	2 (PoE-In, 2-pin terminal)
PoE-In input Voltage	18-57 V
Max current at Min voltage	0.78 A
Max current at Max voltage	0.53 A
2-pin terminal input Voltage	12-57 V
Max current at Min voltage	0.893 A
Max current at Max voltage	0.53 A
Power adapter nominal voltage	48 V
Power adapter nominal current	0.95 A
PoE-In	802.3af/at
PoE-Out	802.3af/at
Smart PoE	Injector
PoE-out ports	Ether 2, max out per port output (input < 30 V) 600 mA, max out per port output (input > 30 V) 450 mA
Max total out	0.6 A
Max power consumption without attachments	6 W
Max power consumption	31 W

- **Included parts**

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48 V 0.95 A  
power adapter



Gigabit PoE injector



Metal ring