MIKROTIK

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

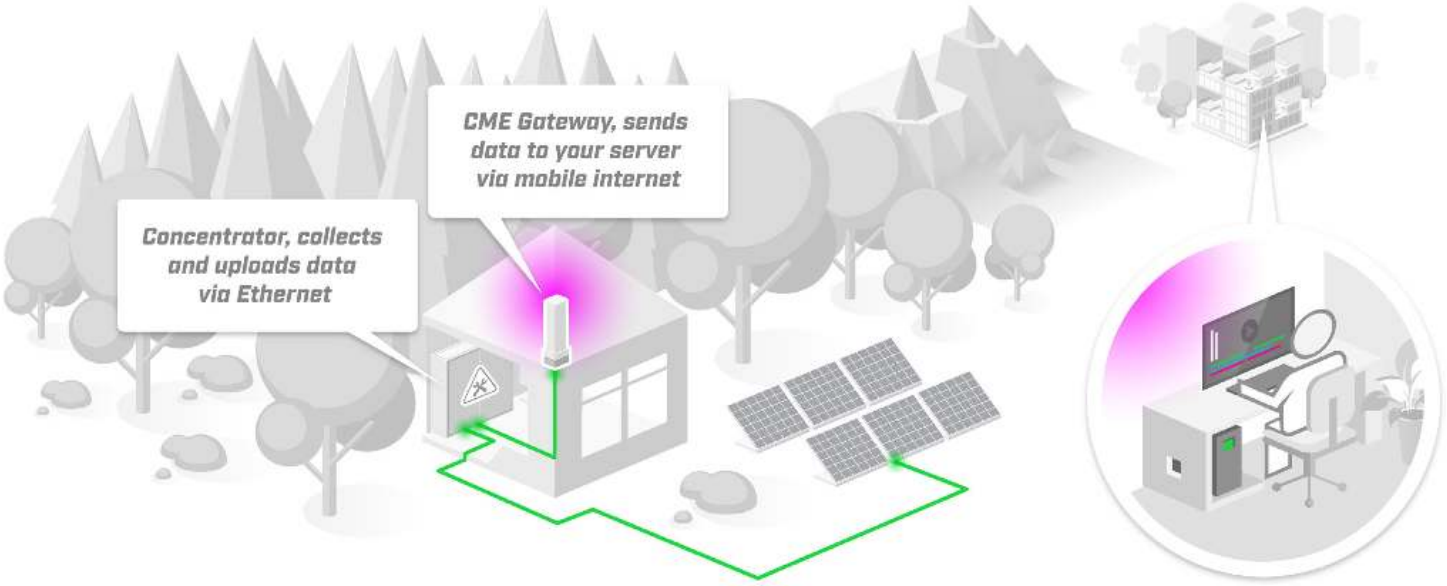
AND save tons of money on data plans at the same time!

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 temparature	-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



48 V 0.95 A
power adapter



Gigabit PoE injector



Metal ring