

GC31-E Outdoor Cellular Gateway

Connectivity for hard-to-wire
outdoor locations



Overview

The GC31-E Cellular Gateway makes it simple to deploy Verkada products anywhere with power and cell signal, including hard-to-wire locations such as parking lots, construction sites, or streetlight poles.

Connect the GC31-E to supported power sources and provide power and data to any Verkada device via PoE. The gateway is cloud-managed and natively integrates with other devices in our ecosystem. And with Verkada's unlimited data plan, which works out-of-the-box in many countries throughout the world, customers no longer need to work directly with cell carriers.

Key features

Built-in PoE switch

Delivers up to 60W shared power output to run up to two connected Verkada devices directly.

Out-of-the-box cellular connectivity

Connects automatically using the pre-installed Verkada SIM or supports custom corporate SIMs.

Multi-carrier redundancy

Features dual Nano-SIM slots for automatic failover to the strongest available network.

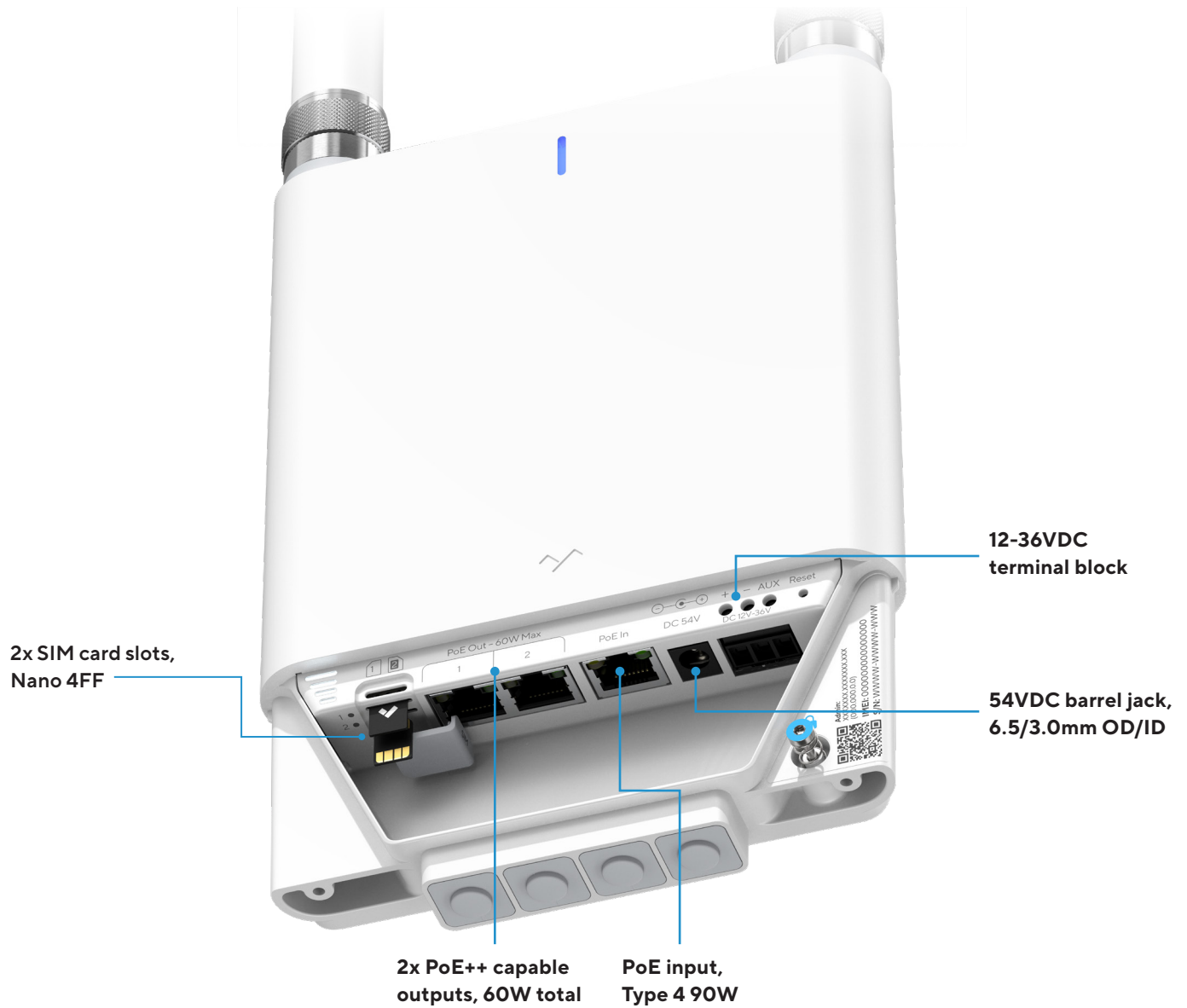
Plug-and-play installation

Comes with an AC/DC 54V power adapter and mounting plate for rapid tabletop or wall-mount deployment.



GC31-E Outdoor Cellular Gateway

Inputs and outputs





GC31-E

Tech specs

Cellular

Connectivity	LTE cellular CAT 12	MIMO	2x2 DL MIMO
SIM	2 SIM slots (Nano 4FF) Dual SIM/auto SIM failover	Bands	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B38, B39, B40, B41, B42, B43, B48 (CBRS), B66, B71
Antennas	2 x external omni (N-type male)		

Inputs and outputs

Ethernet	3 x GigE RJ45 ports (2 x LAN and 1 x WAN/LAN configurable)	Power output	2 x 802.3bt PoE++ capable ports 60W total power budget
Power input	54V DC Barrel Jack (6.5/3.0mm OD/ID) IEEE 802.3bt Type 4 PoE++ 90W 12-36V DC Terminal Block	GNSS/GPS	Passive GNSS (GPS, GLONASS, and Galileo)

Compliance and certifications

RF & EMC	CE, FCC, IC, UKCA, RCM, NOM, VCCI	Cellular¹	PTCRB, GCF, Verizon, T-Mobile, AT&T, FirstNet
Safety	UL/IEC 62368-1, CSA C22.2 No. 62368-1	Weather rating	IP66

General

Power consumption	9W above -25°C / -13°F 19W below -25°C / -13°F Note: Does not include connected devices	Weight	3.0lb / 1.4kg
Operating temperature	-40°F to 122°F / -40°C to 50°C	LEDs	1 status LED, 2 SIM indicator LEDs, 4 signal strength LEDs
Humidity	5-90% RH non-condensing	Warranty	10 years
Dimensions	Main Unit: L: 9.6in / 243mm W: 5.9in / 148mm H: 1.3in / 33mm Antenna: Ø: 1.0in / 25mm L: 7.1in / 179mm	Included accessories	2 x N type antennas, mount plate, 2 x pole straps, 4 x wall anchors, 4 x wall screws, T10 security torx screwdriver, 4 x 7-9 mm cable grommets, 1 x 3-5mm cable grommet, 1 x 3-wire cable grommet
Mounting options	Wall mount, pole mount, or mount on ACC-POE-90W-E		

1. Cellular carriers and operators throughout the world may only require telecom industry certifications such as PTCRB to operate on their network. Some carriers require additional testing and approval, beyond telecom certifications. A carrier listed in the approvals section means Verkada completed additional testing and acquired technical approval for that given carrier. Any carrier not listed may not require additional testing or approval beyond telecom industry certifications to operate on their network.



Accessories

The GC31-E Outdoor Cellular Gateway has multiple power inputs and thus does not include power accessories.

The following accessories are available from Verkada.



ACC-POE-90W-E
Outdoor 90W PoE++ Injector

Use case:

For powering the GC31-E in harsh environments. The GC31-E can be mounted directly on the injector.

[Datasheet](#)



ACC-POE-90W
90W PoE++ Injector

Use case:

For powering the GC31-E when the injector can be placed indoors or within a NEMA enclosure.

[Datasheet](#)



ACC-ADAP-54V
AC/DC Power Adapter

Use case:

Included with the GC31, but can be purchased for use with the GC31-E. Place the adapter indoors or within a NEMA enclosure.

[Datasheet](#)

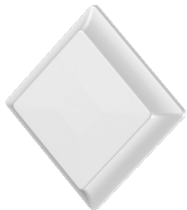


ACCX-TAP-DC100-E
AC/DC 7-Pin Light Pole Power Tap

Use case:

Power the GC31-E by tapping into a streetlight. The power tap connects directly to AC and provides DC via PoE.

[Datasheet](#)



ACC-ANT-10
Outdoor Directional LTE Antenna

Use case:

Improves signal strength on the GC31-E when pointed toward the correct cell tower.

[Datasheet](#)



Ordering information

Outdoor Cellular Gateway

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
GC31-E-HW	GC31-E Cellular Gateway, Outdoor	\$1,599	\$1,599

Outdoor Cellular Gateway license (new/capacity increase)

Each cellular gateway requires a license, which includes unlimited data for Verkada non-video devices.

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-GC-1Y-CAP	1-Year Cellular Gateway License, Capacity Increase Includes unlimited data for Verkada non-video devices	\$349	\$349
LIC-GC-3Y-CAP	3-Year Cellular Gateway License, Capacity Increase Includes unlimited data for Verkada non-video devices	\$999	\$999
LIC-GC-5Y-CAP	5-Year Cellular Gateway License, Capacity Increase Includes unlimited data for Verkada non-video devices	\$1,599	\$1,599
LIC-GC-10Y-CAP	10-Year Cellular Gateway License, Capacity Increase Includes unlimited data for Verkada non-video devices	\$3,199	\$3,199

1. The CH52-E Multisensor requires 4 data licenses (1 for each camera head).



Ordering information

Outdoor Cellular Gateway data plan (new/capacity increase)

Data for Verkada video devices, such as cameras or intercoms, can be purchased through add-on licenses. Customers bringing their own SIM/plan do not need these licenses.

Our data plan includes unlimited data for one video device.

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-GC-1VD-1Y-CAP	1-Year Cellular Gateway Data Plan, Capacity Increase Includes unlimited data for Verkada non-video devices ¹	\$599	\$599
LIC-GC-1VD-3Y-CAP	3-Year Cellular Gateway Data Plan, Capacity Increase Includes unlimited data for Verkada non-video devices ¹	\$1,799	\$1,799
LIC-GC-1VD-5Y-CAP	5-Year Cellular Gateway Data Plan, Capacity Increase Includes unlimited data for Verkada non-video devices ¹	\$2,999	\$2,999

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Ordering information

Outdoor Cellular Gateway license (renewal)

Each cellular gateway requires a license, which includes unlimited data for Verkada non-video devices.

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-GC-1Y-RNW	1-Year Cellular Gateway License, Renewal Includes unlimited data for Verkada non-video devices	\$349	\$349
LIC-GC-3Y-RNW	3-Year Cellular Gateway License, Renewal Includes unlimited data for Verkada non-video devices	\$999	\$999
LIC-GC-5Y-RNW	5-Year Cellular Gateway License, Renewal Includes unlimited data for Verkada non-video devices	\$1,599	\$1,599
LIC-GC-10Y-RNW	10-Year Cellular Gateway License, Renewal Includes unlimited data for Verkada non-video devices	\$3,199	\$3,199

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LIC-GC-1VD-1Y-RNW	1-Year Cellular Gateway Data Plan, Renewal Includes unlimited data for Verkada non-video devices ¹	\$599	\$599
LIC-GC-1VD-3Y-RNW	3-Year Cellular Gateway Data Plan, Renewal Includes unlimited data for Verkada non-video devices ¹	\$1,799	\$1,799
LIC-GC-1VD-5Y-RNW	5-Year Cellular Gateway Data Plan, Renewal Includes unlimited data for Verkada non-video devices ¹	\$2,999	\$2,999

1. The CH52-E Multisensor requires 4 data licenses (1 for each camera head).



Ordering information

Outdoor Cellular Gateway licences for government (new/capacity increase)

Each cellular gateway requires a license which includes unlimited data for Verkada non-video devices.

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-GC-1Y-CAP-G	1-Year Cellular Gateway License for Government, Capacity Increase Includes unlimited data for Verkada non-video devices	\$449	\$449
LIC-GC-3Y-CAP-G	3-Year Cellular Gateway License for Government, Capacity Increase Includes unlimited data for Verkada non-video devices	\$1,249	\$1,249
LIC-GC-5Y-CAP-G	5-Year Cellular Gateway License for Government, Capacity Increase Includes unlimited data for Verkada non-video devices	\$1,999	\$1,999
LIC-GC-10Y-CAP-G	10-Year Cellular Gateway License for Government, Capacity Increase Includes unlimited data for Verkada non-video devices	\$3,999	\$3,999

Outdoor Cellular Gateway data plan for government (new/capacity increase)

Data for Verkada video devices, such as cameras or intercoms, can be purchased through add-on licenses. Customers bringing their own SIM/plan do not need these licenses.

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Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-GC-1VD-1Y-CAP-G	1-Year Cellular Gateway Data Plan for Government, Capacity Increase Includes unlimited data for Verkada non-video devices ¹	\$599	\$599
LIC-GC-1VD-3Y-CAP-G	3-Year Cellular Gateway Data Plan for Government, Capacity Increase Includes unlimited data for Verkada non-video devices ¹	\$1,799	\$1,799
LIC-GC-1VD-5Y-CAP-G	5-Year Cellular Gateway Data Plan for Government, Capacity Increase Includes unlimited data for Verkada non-video devices ¹	\$2,999	\$2,999

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Ordering information

Outdoor Cellular Gateway license for government (renewal)

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Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-GC-1Y-RNW-G	1-Year Cellular Gateway License for Government, Renewal Includes unlimited data for 1 Verkada video device	\$449	\$449
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LIC-GC-5Y-RNW-G	5-Year Cellular Gateway License for Government, Renewal Includes unlimited data for 1 Verkada video device	\$1,999	\$1,999
LIC-GC-10Y-RNW-G	10-Year Cellular Gateway License for Government, Renewal Includes unlimited data for 1 Verkada video device	\$3,999	\$3,999

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LIC-GC-1VD-1Y-RNW-G	1-Year Cellular Gateway Data Plan for Government, Renewal Includes unlimited data for 1 Verkada video device ¹	\$599	\$599
LIC-GC-1VD-3Y-RNW-G	3-Year Cellular Gateway Data Plan for Government, Renewal Includes unlimited data for 1 Verkada video device ¹	\$1,799	\$1,799
LIC-GC-1VD-5Y-RNW-G	5-Year Cellular Gateway Data Plan for Government, Renewal Includes unlimited data for 1 Verkada video device ¹	\$2,999	\$2,999

1. The CH52-E Multisensor requires 4 data licenses (1 for each camera head).



Ordering information

Outdoor Cellular Gateway accessories

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
ACC-POE-90W-E-AU	90W PoE++ (802.3bt Type 4) Injector, GigE, Outdoor, Australia Type I Plug	N/A	\$299
ACC-POE-90W-E-EU	90W PoE++ (802.3bt Type 4) Injector, GigE, Outdoor, Europe Type F Plug	N/A	\$299
ACC-POE-90W-E-NA	90W PoE++ (802.3bt Type 4) Injector, GigE, Outdoor, North America Type B Plug	\$299	\$299
ACC-POE-90W-E-UK	90W PoE++ (802.3bt Type 4) Injector, GigE, Outdoor, United Kingdom Type G Plug	N/A	\$299
ACC-ANT-10	Directional LTE Antenna for GC series, Outdoor, N-Type	\$399	\$399
ACCX-TAP-DC100-E	FP AC/DC 7-Pin Power Tap, 100W PoE Output, Outdoor, Model Number: FP287A-180-BEN-A	\$399	\$399