

GW31-E Wi-Fi Gateway

Easy button for
perimeter security



Overview

The GW31-E Outdoor Wi-Fi Gateway makes it simple to deploy Verkada anywhere with power and Wi-Fi, including hard-to-wire locations such as parking lots, fence lines, and outdoor premises. This allows for cost-effective perimeter deployments as organizations can avoid trenching cable and recurring costs for cellular data.

Organizations can connect the GW31-E to an existing access point or use multiple gateways in tandem for point-to-point and point-to-multipoint deployments. To extend range in either case, Verkada's directional Wi-Fi antenna can be used to boost signal strength.

The Wi-Fi gateway is purpose-built for Verkada deployments. The IP66-rated device easily mounts to a pole or wall, works with a wide range of power sources, and has a built-in PoE switch to power downstream devices. And through the cloud-based Command platform, organizations can easily manage and troubleshoot the gateway as well as any connected devices from anywhere.

Key features

Designed for outdoor installs

The GW31-E works with nearly any power source, including AC receptacles, solar/batteries, or streetlights, and can be deployed outdoors without a NEMA box.

Built-in PoE switch

With dual PoE outputs capable of supplying 60W total, the GW31-E can directly power up to two connected devices without a switch.

Cloud-managed

Set up and manage the GW31-E in Command from any device and any location. Run diagnostics, monitor data and power usage, and receive alerts if connectivity is lost.

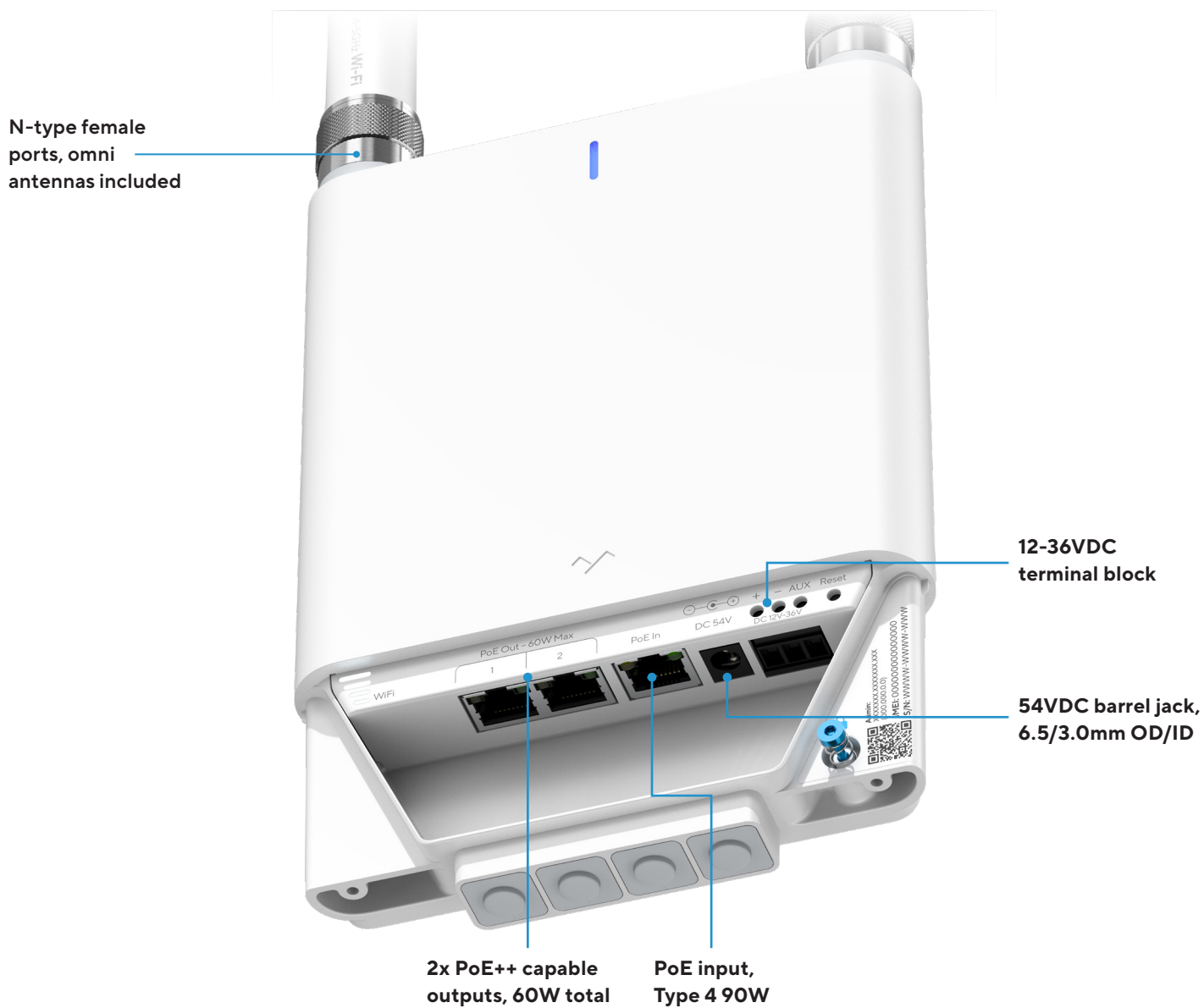
Remote troubleshooting

Remotely power cycle the GW31-E and any connected devices via Command. If the gateway itself is offline, it will automatically power cycle itself after 30 minutes.



GW31-E Wi-Fi Gateway

Inputs and outputs





GW31-E

Tech specs

Connectivity

Wi-Fi standards	802.11a/b/g/n/ac/ax (Wi-Fi 6) 2.4 or 5 GHz (single radio)	MIMO	2 x 2 DL MU-MIMO
Wi-Fi security	WPA2/3 PSK WPA2/3 Enterprise (username/password only)	Networking interface	3 x GigE RJ45 ports (2 x LAN and 1 x WAN/LAN configurable)
Wi-Fi operating mode	Client/STA Access point/ AP	Management interface	Verkada Command (WAN connection required) Bluetooth (Command iOS app required) Local server page (via Ethernet)
Wi-Fi antennas	2 x external omni (N-type male) Note: ACC-ANT-20 Directional Antenna also available for purchase		

Power

Power input	54V DC Barrel Jack (6.5/3.0mm OD/ID) 802.3bt Type 4 PoE 90W 12-36V DC Terminal Block Note: Power accessories sold separately	Power consumption	9W above -13°F/ -25°C 19W below -13°F/ -25°C Note: Does not include connected devices
Power output	2 x 802.3bt PoE++ capable ports 60W total power budget		

Certifications

RF & EMC	CE, FCC, IC, UKCA, RCM, MIC	Weather rating	IP66
Safety	UL/IEC 62368-1, CSA C22.2 No. 62368-1		

General

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
Weight	3.0lbs / 1.4kg		Warranty	10 years
Operating temperature and humidity	-40°F to 122°F / -40°C to 50°C 5-90% RH non-condensing		Mounting options	Wall mount, pole mount, or mount on ACC-POE-90W-E
LEDs	1 status LED 4 signal strength LEDs			



Accessories

The GW31-E Outdoor Wi-Fi 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 GW31-E in harsh environments. The GW31-E can be mounted directly on the injector.

[Datasheet](#)



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

Use case:
For powering the GW31-E when the injector can be placed indoors or within a NEMA enclosure

[Datasheet](#)



ACC-ADAP-54V
AC/DC Power Adapter

Use case:
For powering the GW31-E when the adapter can be placed indoors or within a NEMA enclosure.

[Datasheet](#)



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

Use case:
Power the GW31-E by tapping into a streetlight. The power tap connects directly to AC and provides DC via PoE.

[Datasheet](#)



ACC-ANT-20
Outdoor Directional Wi-Fi Antenna

Use case:
Improves signal strength on the GW31-E when pointed toward the correct AP. For optimal performance, mount the antenna such that there is a clear line-of-sight to the AP.

[Datasheet](#)



Ordering information

Wi-Fi Gateway

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
GW31-E-HW	GW31 Wi-Fi Gateway, Outdoor, 802.11ax	\$999	\$999

Wi-Fi Gateway license (new/capacity increase)

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-GW-1Y-CAP	1-Year Wi-Fi Gateway License, Capacity Increase	\$99	\$99
LIC-GW-3Y-CAP	3-Year Wi-Fi Gateway License, Capacity Increase	\$279	\$279
LIC-GW-5Y-CAP	5-Year Wi-Fi Gateway License, Capacity Increase	\$449	\$449
LIC-GW-10Y-CAP	10-Year Wi-Fi Gateway License, Capacity Increase	\$899	\$899

Wi-Fi Gateway license (renewal)

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-GW-1Y-RNW	1-Year Wi-Fi Gateway License, Renewal	\$99	\$99
LIC-GW-3Y-RNW	3-Year Wi-Fi Gateway License, Renewal	\$279	\$279
LIC-GW-5Y-RNW	5-Year Wi-Fi Gateway License, Renewal	\$449	\$449
LIC-GW-10Y-RNW	10-Year Wi-Fi Gateway License, Renewal	\$899	\$899



Ordering information

Accessories

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
ACC-ADAP-54V-AU	AC/DC Barrel Jack Power Adapter, 54V, Indoor, Australia Type I Plug	N/A	\$89
ACC-ADAP-54V-EU	AC/DC Barrel Jack Power Adapter, 54V, Indoor, Europe Type F Plug	N/A	\$89
ACC-ADAP-54V-NA	AC/DC Barrel Jack Power Adapter, 54V, Indoor, North America Type B Plug	\$89	\$89
ACC-ADAP-54V-UK	AC/DC Barrel Jack Power Adapter, 54V, Indoor, United Kingdom Type G Plug	N/A	\$89
ACC-POE-90W-AU	90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, Australia Type I Plug	N/A	\$169
ACC-POE-90W-EU	90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, Europe Type F Plug	N/A	\$169
ACC-POE-90W-NA	90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, North America Type B Plug	N/A	\$169
ACC-POE-90W-UK	90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, United Kingdom Type G Plug	\$169	\$169
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-20	Directional Wi-Fi Antenna for GW Series, Outdoor, N-Type	\$369	\$369
ACCX-TAP-DC100-E	FP AC/DC 7-Pin Power Tap, 100W PoE Output, Outdoor, Model Number: FP287A-180-BEN-A	\$399	\$399