

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.

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

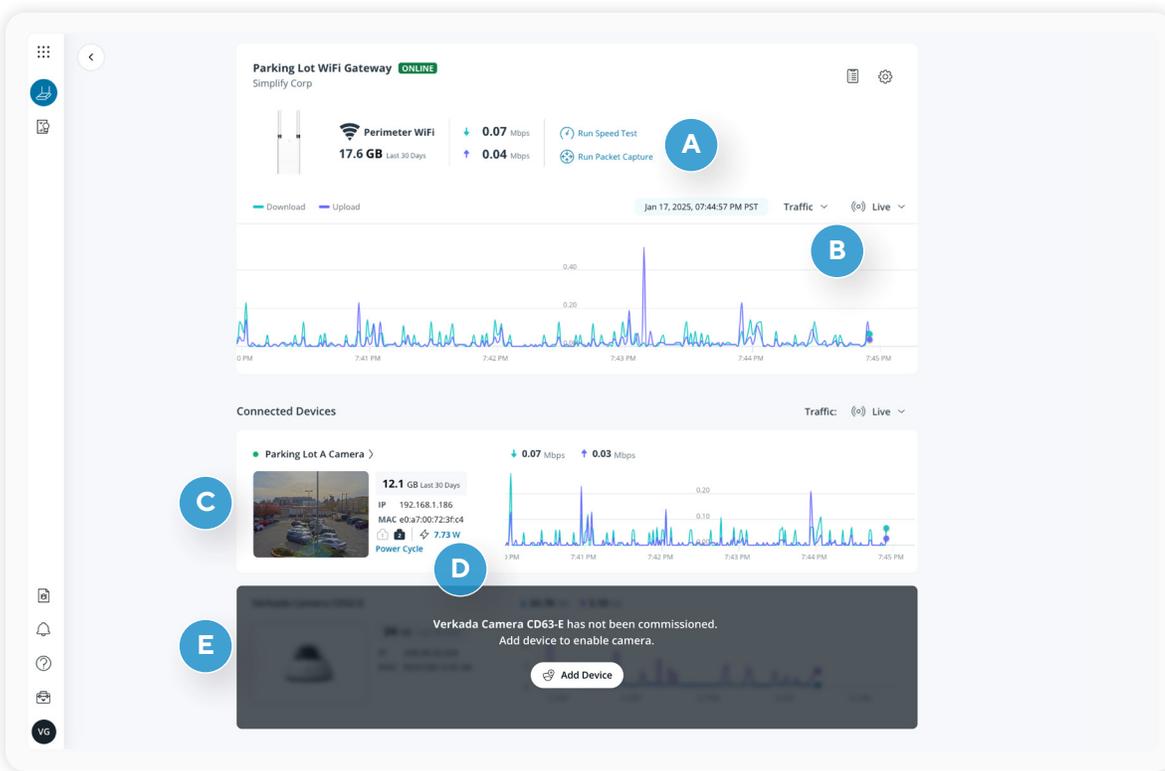
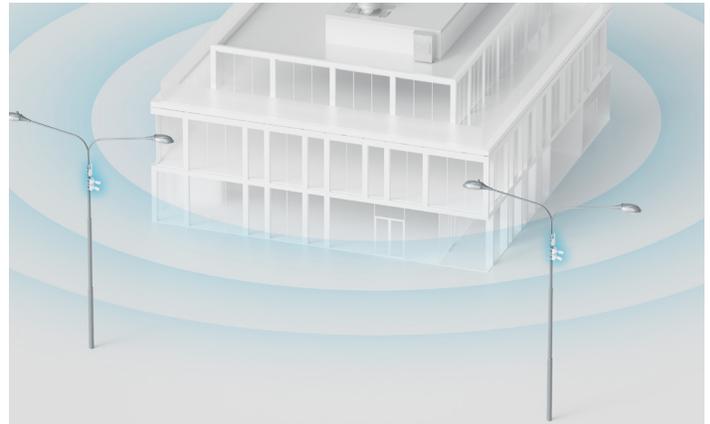
Remotely power cycle the GW31-E and any connected devices via Command. If the gateway itself is offline, it will automatically power cycle itself after 30 minutes.



Purpose-built for Verkada deployments

The GW31-E is the easy button for securing perimeter locations. Easily install the gateway outdoors without a NEMA box and tap into power from AC receptacles, light poles, or solar/batteries. For longer range deployments, opt for Verkada’s directional Wi-Fi antenna to boost signal strength when connecting to APs at a distance.

The gateway can directly power two connected devices, eliminating the need for a PoE switch. It can even support a PoE++ device like the CH52-E Multisensor or CP52-E PTZ, allowing for 360° coverage from a single install point.



Cloud-managed, natively integrated

- A. Remotely run packet capture and speed tests
- B. Track live and historical traffic and other metrics
- C. See camera feed and connected device info
- D. Remotely power cycle connected devices
- E. Recognize connected Verkada devices and streamline setup



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	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 -25°C / -13°F 19W below -25°C / -13°F Note: Does not include connected devices
Power Output	2 x 802.3bt PoE++ capable ports 60W total power budget		

Certifications

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

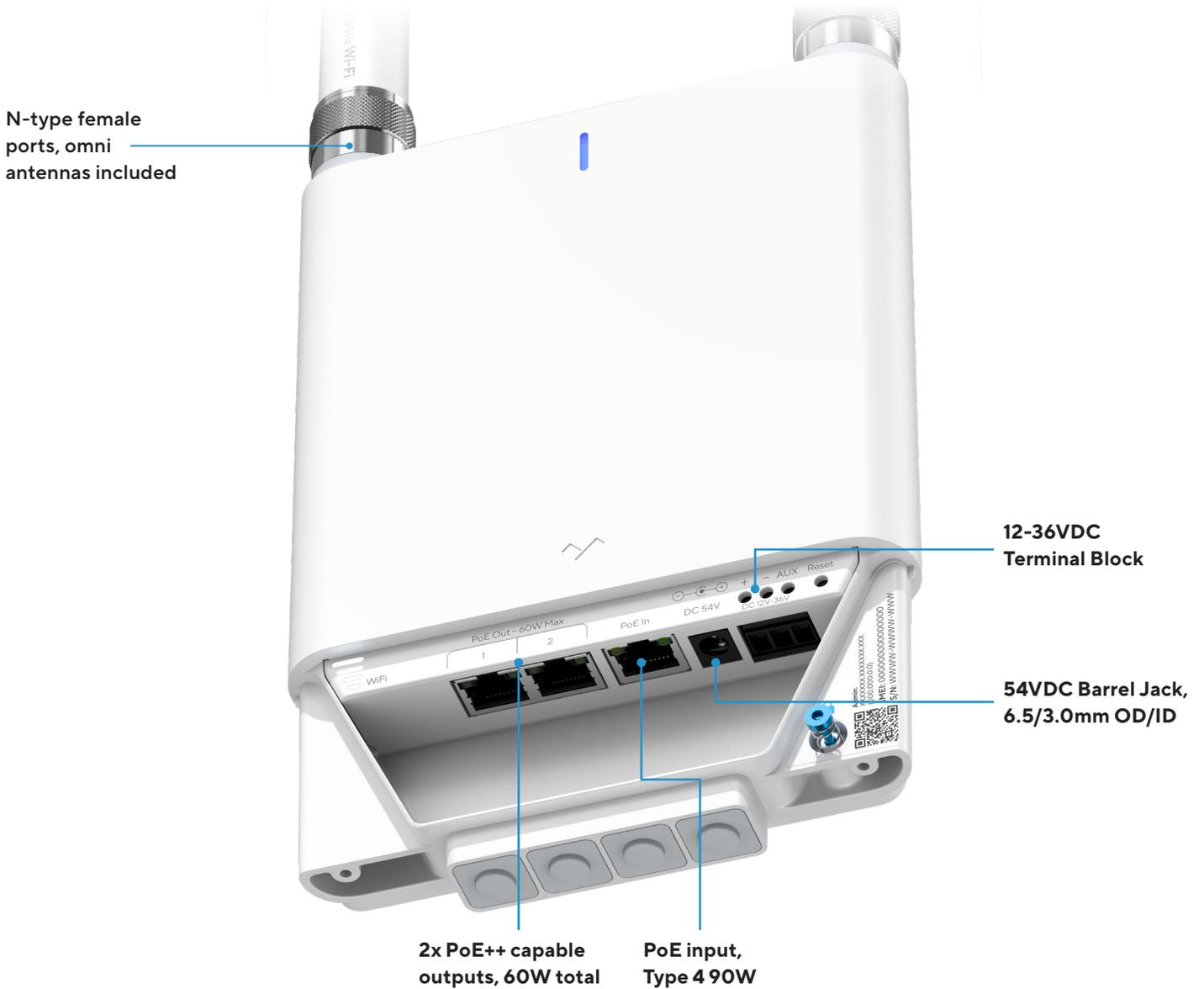
General

Dimensions	Main Unit: L: 243mm / 9.6in W: 148mm / 5.9in H: 33mm / 1.3in	Antenna: Ø: 25mm / 1.0in L: 179mm / 7.1in	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	1.4kg / 3.0lbs		Warranty	10 years
Operating Temperature and Humidity	-40°C to 50°C / -40°F to 122°F 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			

1. Coming in Spring 2024



GW31-E Wi-Fi Gateway Inputs and Outputs





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	Cost (MSRP) USD
GW31-E-HW	GW31 Wi-Fi Gateway, Outdoor, 802.11ax	\$999

Wi-Fi Gateway License (New/Capacity Increase)

LIC-GW-1Y-CAP	1-Year Wi-Fi Gateway License, Capacity Increase	\$99
LIC-GW-3Y-CAP	3-Year Wi-Fi Gateway License, Capacity Increase	\$279
LIC-GW-5Y-CAP	5-Year Wi-Fi Gateway License, Capacity Increase	\$449
LIC-GW-10Y-CAP	10-Year Wi-Fi Gateway License, Capacity Increase	\$899

Wi-Fi Gateway License (Renewal)

LIC-GW-1Y-RNW	1-Year Wi-Fi Gateway License, Renewal	\$99
LIC-GW-3Y-RNW	3-Year Wi-Fi Gateway License, Renewal	\$279
LIC-GW-5Y-RNW	5-Year Wi-Fi Gateway License, Renewal	\$449
LIC-GW-10Y-RNW	10-Year Wi-Fi Gateway License, Renewal	\$899



Ordering Information

Accessories

Model Number	Description	Cost (MSRP) USD
ACC-ADAP-54V-AU	AC/DC Barrel Jack Power Adapter, 54V, Indoor, Australia Type I Plug	\$89
ACC-ADAP-54V-EU	AC/DC Barrel Jack Power Adapter, 54V, Indoor, Europe Type F Plug	\$89
ACC-ADAP-54V-NA	AC/DC Barrel Jack Power Adapter, 54V, Indoor, North America Type B Plug	\$89
ACC-ADAP-54V-UK	AC/DC Barrel Jack Power Adapter, 54V, Indoor, United Kingdom Type G Plug	\$89
ACC-POE-90W-AU	90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, Australia Type I Plug	\$169
ACC-POE-90W-EU	90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, Europe Type F Plug	\$169
ACC-POE-90W-NA	90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, North America Type B Plug	\$169
ACC-POE-90W-UK	90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, United Kingdom Type G Plug	\$169
ACC-POE-90W-E-AU	90W PoE++ (802.3bt Type 4) Injector, GigE, Outdoor, Australia Type I Plug	\$299
ACC-POE-90W-E-EU	90W PoE++ (802.3bt Type 4) Injector, GigE, Outdoor, Europe Type F Plug	\$299
ACC-POE-90W-E-NA	90W PoE++ (802.3bt Type 4) Injector, GigE, Outdoor, North America Type B Plug	\$299
ACC-POE-90W-E-UK	90W PoE++ (802.3bt Type 4) Injector, GigE, Outdoor, United Kingdom Type G Plug	\$299
ACC-ANT-20	Directional Wi-Fi Antenna, Outdoor, N-Type	\$369
ACCX-TAP-DC100-E	FP AC/DC 7-Pin Power Tap, 100W PoE++ (802.3bt Type 4) Output, Outdoor, Model Number: FP287A-180-BEN-A	\$399