

# IQ Gateway Commercial Pro

The IQ Gateway Commercial Pro<sup>1</sup> delivers solar production and energy consumption data, the monitoring and analysis software for comprehensive, remote maintenance and management of IQ8/IQ9 Commercial Microinverter-based PV systems. The IQ Gateway Commercial Pro is compatible with both 277 V/480 V Wye and 120 V/208 V Wye grid configurations. With integrated revenue-grade production metering and optional consumption monitoring, the IQ Gateway Commercial Pro is a platform for total energy management and integrates with IQ8/IQ9 Commercial Microinverters.



Key specifications	GWO-1CL-1N-D0-OR
AC power requirements	208Y/120 VAC three-phase or 480Y/277 VAC three-phase. A maximum of 20 A overcurrent protection is required.
Typical power consumption	20 W
Dimensions (W × H × D)	9.4 in × 5.1 in × 2.4 in (23.8 cm × 12.8 cm × 6.1 cm)
Weight	1.1 lb (498 g)
Ambient temperature range	-40°F to 149°F (-40°C to 65°C) -40°F to 115°F (-40°C to 46°C) if installed in an enclosure

## Simple

- Easy system configuration using the Enphase Installer App
- Flexible networking with Wi-Fi, Ethernet, or cellular

## Reliable

- Designed for installation indoors or outdoors in a NEMA 3R-rated enclosure
- 15-year limited warranty
- Complies with IEEE 2030.5

## Smart

- Enables web-based monitoring and control
- Provides bidirectional communications for remote upgrades
- Supports power export limiting and zero-export applications

<sup>1</sup>IQ Gateway Commercial Pro runs on the IEEE 2030.5 protocol and has been used in IEEE 1547:2018 testing and certification.

Product details	Units	GWO-1CL-1N-DO-OR
IQ Gateway Commercial Pro	—	Three-phase communications gateway with integrated, revenue-grade PV production metering ( $\pm 0.5\%$ ) and optional consumption monitoring ( $\pm 2.5\%$ ). Includes three 400 A continuous-rated Production CTs. IQ Gateway Commercial Pro works only with IQ8/IQ9 Commercial Microinverters.
<b>Accessories (ordered separately)</b>		
CELLMODEM-07-NA-05 CELLMODEM-M1-06-SP-05 CELLMODEM-M1-06-AT-05	—	LTE CAT 4-based cellular modem with a 5-year AT&T and T-Mobile data plan. 4G-based LTE-M1 cellular modem with a 5-year Sprint data plan. 4G-based LTE-M1 cellular modem with a 5-year AT&T data plan.
Consumption monitoring CT CT-600-SPLIT (order three or six, as needed)	—	Split-core style CTs with 2.5% accuracy for consumption monitoring. Up to two CTs can be connected in parallel per phase.
<b>Power requirements</b>		
AC power requirements	—	208Y/120 VAC three-phase or 480Y/277 VAC three-phase. A maximum of 20 A overcurrent protection is required.
Typical power consumption	W	20
<b>Capacity</b>		
Number of microinverters polled	—	Up to 276
<b>Mechanical and electrical data</b>		
Dimensions (W × H × D)	in (cm)	9.4 × 5.1 × 2.4 (23.8 × 12.8 × 6.1)
Weight	lb (g)	1.1 (498)
Ambient temperature range	°F (°C)	–40 to 149 (–40 to 65) –40 to 115 (–40 to 46) if installed in an enclosure
Environmental rating	—	IP30 rated. For outdoor installations, use a NRTL-certified, NEMA type 3R or better-rated enclosure.
Altitude	ft (m)	Up to 9,842 (3,000)
<b>Communication interface</b>		
Integrated Wi-Fi	—	802.11ax (2.4 GHz, 5 GHz), for connecting to the Enphase Cloud via the internet
Wi-Fi range (recommended)	ft (m)	Up to 32.8 (10)
Integrated Bluetooth	—	Bluetooth 5.4
Bluetooth range (recommended)	ft (m)	Up to 9.8 (3)
Ethernet	—	802.3, 10/100 Mbps, Cat5E (or Cat 6) UTP Ethernet cable (not included), for connecting to the Enphase Cloud via the internet
RS-485	—	1 port, 2-wire (half-duplex)
Mobile Connect	—	CELLMODEM-07-NA-05, CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (to be purchased separately)
Digital I/O	—	Digital input/output for grid operator control
USB 2.0	—	For Mobile Connect
Access point (AP) mode	—	For a connection between the IQ Gateway and a mobile device running the Enphase Installer App
Metering ports	—	Three Production CT ports and three Consumption CT ports

Communication interface		
Power line communication (PLC)	—	90–110 kHz (Class B) to microinverters
Web API	—	Refer to <a href="https://developer-v4.enphase.com">https://developer-v4.enphase.com</a>
Local API	—	Refer to <a href="#">guide for local API</a>
LED indicators	—	LED 1: Internet/BLE/Wi-Fi AP connectivity status LED 2: Power and communication status of PLC devices LED 3: Power and communication status of CTRL devices LED 4: Gateway function status
Buttons	—	Button A: AP mode/BLE mode/Meter mode Button B: PLC scan/CTRL scan/Reset gateway
Configured via	—	Enphase Installer App and Enphase Installer Portal

Power production export limiting via the IQ Gateway's digital I/O		
Maximum relays read (maximum digital input)		4
Capabilities supported	Power production limiting (Production CTs required), power export limiting (Production CTs and Consumption CTs required—Load with Solar configuration)	
Cable configurations	16 AWG, UL-Std. 62, 600 V, 105°C, and a minimum of 0.03 inches average thickness	
Signal voltage range	2.5–5 V (digital high), 0–1.9 V (digital low)	
Terminal blocks	Five terminals, up to 0.002 in	
Configured via	Enphase Installer App and Enphase Installer Platform	

Packaging specifications		
Package dimensions (H × W × D)	13 in × 6.5 in × 3.9 in (33.0 cm × 16.6 cm × 10.0 cm)	
Package weight	0.99 lb (2.2 kg)	

What's in the box		
IQ Gateway Commercial Pro	Three-phase communications gateway with integrated, revenue-grade PV production metering (±0.5%) and optional consumption monitoring (±2.5%)	
Current transformers (CTs)	Three CT-400-SOLID CTs	
Aluminum DIN rail	4.9 in (124.46 mm)	

Compliance		
Compliance	UL 916, CSIP (IEEE 2030.5), CAN/CSA C22.2 No. 61010-1, Title 47 CFR Part 15 Class B ICES 003, IEC/UL 61010-1:2010, ANSI C12.20	

Compatibility		
Microinverter	IQ8H-3P, IQ8P-3P and IQ9N-3P-277-A-US, IQ9N-3P-277-B-US, IQ9N-3P-208-A-US, IQ9N-3P-208-B-US Commercial Series Microinverters	

# Components of the Enphase Energy System



## **IQ8/IQ9 Commercial Series Microinverters**

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Extra high-powered, smart grid-ready microinverters designed to match larger format commercial PV modules.

# Accessories

## **Enphase Mobile Connect**



LTE CAT 4-based cellular modem with a 5-year data plan (CELLMODEM-07-NA-05 for AT&T, T-Mobile).

4G-based LTE-M1 cellular modem with a 5-year data plan.

(CELLMODEM-M1-06-SP-05 for Sprint and CELLMODEM-M1-06-AT-05 for AT&T).

## **CT-400-SOLID**



400 A revenue-grade solid-core Production CT with <0.5% error rate.

## **CT-600-SPLIT**



600 A split-style consumption and battery metering CT with <2.5% error rate.

# Revision history

Revision	Date	Description
DSH-00734-2.0	September 2025	Updated the product name and specifications.
DSH-00734-1.0	June 2025	Preliminary release.