

IQ Gateway Commercial Pro

The IQ Gateway Commercial Pro¹ delivers solar production and energy consumption data and provides 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.



Key specifications	GW0-1CL-1N-D0-0R
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 140°F (-40°C to 60°C) with or without 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

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

Product details		GWO-1CL-1N-DO-OR ²
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.	
What's in the box		
IQ Gateway Commercial Pro	Three-phase communications gateway with integrated, revenue-grade PV production metering ($\pm 0.5\%$) and optional consumption monitoring ($\pm 2.5\%$)	
Current transformers (CTs)	Three CT-400-277-SOLID CTs	
Aluminum DIN rail	4.9 in (12.45 cm)	
Accessories (ordered separately)		
CELLMODEM-07-NA-05	LTE CAT 4-based cellular modem with a 5-year. Supports up to 96 microinverters.	
CELLMODEM-07-NA-05-PRO	LTE CAT 4-based cellular modem with 5-year AT&T and T-Mobile data plan supporting up to 400 microinverters.	
Consumption monitoring CT CT-600-277-SPLIT (order three or six, as needed)	Split-core style CTs with $\pm 2.5\%$ accuracy for consumption monitoring. Up to two CTs can be connected in parallel per phase.	
Power requirements		Units
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
Capacity		
Number of microinverters polled	–	Up to 300
Mechanical and electrical data		
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°F to 140°F (–40°C to 60°C), with or without 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)
Communication interface		
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)

² The IEEE 1547 gateway supports AC power supply 120 VAC L-N/208 Y L-L, 277 V L-N/480 Y L-L, 60 Hz; PLC frequency 90–110 kHz line-to-neutral; dual Ethernet ports; two CTRL ports; two USB Type-C ports; one RS-485 port.

Communication interface		
Mobile Connect	—	CELLMODEM-07-NA-05, CELLMODEM-07-NA-05-PRO (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
Power line communication (PLC)	—	90–110 kHz (Class B) to microinverters
Web API	—	Refer to https://developer-v4.enphase.com
Local API	—	Refer to the guide for local API
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: PLC scan/CTRL scan/Reset gateway Button B: AP mode/BLE mode/Meter mode
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 kg (2.2 lb)
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-DOM-US Commercial Series Microinverters
Kit bundle		
IQ Gateway Commercial Pro cellular kit		Bundles an IQ Gateway Commercial Pro with a Mobile Connect CELLMODEM-07 Pro for comprehensive remote monitoring and connectivity

SKU decoder		
Description	Value	Meaning
Gateway	GW	Gateway
Reserve	0	Reserved for future use
AC frequency	1	60 Hz
	2	50 Hz
AC voltage	A	120 V L-N/40 V L-L 120 V L-N/208 V L-L 127 V L-N/220 V L-L 100 V L-N/200 V L-L
	B	120 V L-N/240 V L-L 120 V L-N/208 V L-L 127 V L-N/220 V L-L 100 V L-N/200 V L-L 120 V L-N/208 Y L-L 133 V L-N/230 Y L-L
	C	120 V L-N/208 Y L-L 277 V L-N/480 Y L-L
	D	230 V L-N 230 V L-N/400 V L-L 230 V L-N, 400 Y L-L 230 ΔV L-L
	E	220 V L-N 220 V L-N/380 V L-L 220 V L-N/380 Y L-L
Power source	D	24 VDC
	U	4 VDC
	L	AC (Line-to-Line)
	N	AC (Line-to-Neutral)
Power line communications (PLC) frequency	1	90–110 kHz
	2	103–110–116 kHz
	3	103–110–116 kHz
	4	103–123–143 kHz
PLC plan	L	Line-to-Line PLC
	N	Line-to-Neutral PLC
Ethernet	S	Single Ethernet interface
	D	Dual Ethernet interface
Local communication	0	2 × CAN ports 2 × USB 2.0 Type C 1 × RS-485
Grid connection standard	0	IEEE 1547 grid profile
	1	AS4777 grid profile
Reserve	R	Reserved for future use

Components of the Enphase Energy System



IQ8/ IQ9 Commercial Series Microinverters

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

Accessories



Mobile Connect

LTE CAT 4-based cellular modem with a 5-year data plan for AT&T and T-Mobile. CELLMODEM-07-NA-05: Supports up to 96 microinverters. CELLMODEM-07-NA-05-PRO: Supports up to 400 microinverters.



Production Current Transformer (CT-400-277-SOLID)

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



Consumption Current Transformer (CT-600-277-SPLIT)

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

Revision history

Revision	Date	Description
DSH-00734-6.0	February 2026	Updated Mobile Connect CELLMODEM-07 Pro information and removed CELLMODEM-06 information.
DSH-00734-5.0	January 2026	Added Mobile Connect CELLMODEM-07 Pro information.
DSH-00734-4.0	December 2025	Updated "Ambient temperature range".
DSH-00734-3.0	November 2025	Added SKU decoder information.
DSH-00734-2.0	September 2025	Initial release.
DSH-00734-1.0	June 2025	Preliminary release.