

Enphase IQ8D Commercial Gateway

The **Enphase IQ8D Commercial Gateway** delivers solar production and energy consumption data to Enphase Platform monitoring and analysis software for comprehensive, remote maintenance and management of IQ8D systems.

With integrated revenue-grade production metering and optional consumption monitoring, the IQ8D is the platform for total energy management and integrates with the IQ8D Microinverters.



Smart

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

Simple

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

Reliable

- Designed for installation indoors or outdoors in an enclosure
- Five-year warranty



LISTED

To learn more about Enphase offerings, visit enphase.com

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MODEL NUMBERS

Enphase IQ8D Commercial Gateway ENV-IQ8D-AM3-3P	Three-phase communications gateway with integrated, revenue-grade PV production metering (+/- 0.5%) and optional consumption monitoring (+/- 2.5%). Includes three 400A continuous rated production CTs. This Gateway works only with the IQ8D Microinverters.
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ACCESSORIES (order separately)

Enphase Mobile Connect - CELLMODEM-M1-06-SP-05 - CELLMODEM-M1-06-AT-05	Plug and play industrial grade cellular modem with five-year data plan (expandable to 12 years). Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.
Consumption Monitoring CTs CT-600-SPLIT	3 Split-core current transformers enable consumption metering (order three or six, as needed).

POWER REQUIREMENTS

Power requirements	208Y/120 VAC three-phase Max 20A overcurrent protection required
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CAPACITY

Maximum number of microinverters polled	Up to 165. Contact Enphase about data plans for systems.
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MECHANICAL AND ELECTRICAL DATA

Dimensions (WxHxD)	21.3 x 12.6 x 4.5 cm (8.4" x 5" x 1.8")
Weight	17.6 oz (498g)
Ambient temperature range	-40° to 65° C (-40° to 149° F) -40° to 46° C (-40° to 115° F) if installed in an enclosure
Environmental rating	IP30. For installation indoors or in an NRTL-certified, NEMA type 3R enclosure.
Altitude	To 2000 meters (6,560 feet)
Production CTs	- Capable of measuring 400A of continuous current with 0.5% accuracy - Accuracy of +/-0.5% for revenue grade production metering(ANSI C12.20 certified) - Internal aperture measures 43 mm and can support cables up to a maximum size of 1000KCMIL conductors - UL2808 certified
Consumption CTs	- For electrical services up to 600A, with parallel runs up to 1200A - Aperture of 50mm * 50mm and can support cables up to a maximum size of 300KCMIL conductors - Service entrance rated with UL2808 certification - Rated for pollution degree 3 - Accuracy of +/-2.5% for consumption monitoring - CT wire insulation rating of 600V

INTERNET CONNECTION OPTIONS

Integrated Wi-Fi	802.11b/g/n
Ethernet	802.3, Cat5E (or Cat 6) UTP Ethernet cable, not included
Mobile	Optional, CELLMODEM-M1-06-SP-05 or CELLMODEM-M1-06-AT-05, not included

COMPLIANCE

Compliance	UL 916 CAN/CSA C22.2 No. 61010-1 47 CFR, Part 15, Class B, ICES 003 IEC/EN 61010-1:2010, EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2 ANSI C12.20
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