



The EN4080 IP gateway combines the functionality of an Inovonics EN4000 receiver with the flexibility of an IP appliance. With a message queuing telemetry transport (MQTT) license, the IP gateway outputs messages in the MQTT protocol. With a BACnet/IP license, the IP gateway outputs messages in the BACnet/IP protocol, which is widely used for building automation and control networks.

### Product Features

Optional Power over Ethernet (PoE) feature

Supports over-the-air updates

MQTT license compatible with all Inovonics transmitters; BACnet license compatible with Inovonics environmental, pulse counting and select security transmitters.

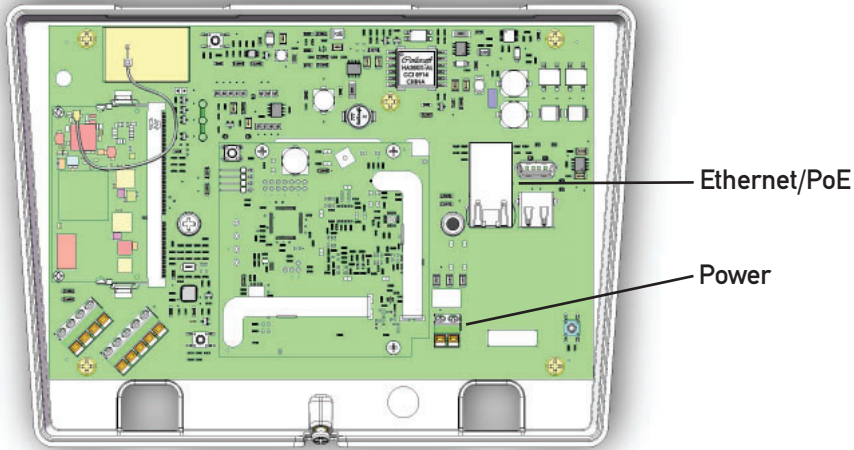
External LEDs indicate power, IP connectivity and message receipt

### TapWatch Gateway Specifications

Weight:	1 lb. 3.54 oz
Dimensions:	9.556" x 6.65" x 1.208"
Power requirement:	Line power: The Inovonics ACC610 transformer, or a 12-14V AC intrinsically safe power supply capable of supplying at least 16W, or a 12-15V DC power supply capable of supplying at least 15W; POE: IEEE 802.3af-2003 compliant
Router requirements:	The router may assign addresses via DHCP; the DHCP lease of the router must be set to a non-zero and non-infinite value, and should be set to a value greater than 30 seconds; the router must allow outbound connections on the following ports: DNS (53/TCP+UDP), HTTPS (443/TCP), NTP (123/UDP), OTA (9000/TCP)
Connectivity:	Ethernet: 10/100Base-T, DHCP, static IP; WiFi: 802.11b/g/n, 2.4GHz, WPA/2-Personal, DHCP, static IP
Transmitters supported:	2000 per IP gateway with MQTT; 100 with BACnet
Storage capacity:	Messages for 150 transmitters for 30 days, reporting in at 15 minute intervals, or equivalent
Operating environment:	
Temperature:	32° - 140°F
Humidity:	Up to 90% (non-condensing)
Market:	North America, Australia, New Zealand
EchoStream® frequency:	902-928 MHz, frequency hopping spread spectrum
Regulatory compliance:	FCC part 15 class B, ISED, RCM

## Inputs

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### Reference Materials (available at [www.inovonics.com](http://www.inovonics.com))

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EN4080 IP Gateway Installation Instructions

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E\*4080 IP Gateway Amazon Web Services MQTT Quick Start Tech Note

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E\*4080 IP Gateway BACnet/IP Quick Start Tech Note

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Inovonics Product Catalog: North America

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- The range and performance of any wireless product depends on the structure and environment in which it operates.
- Continual enhancements to our products may cause specifications to change without notice.
- Patents: 7,154,866; 7,554,932; 7,746,804; others pending.

### Technical documents

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For technical documents visit us at <http://www.inovonics.com/support/tech-documents/> or use the QR code below.

