Datasheet

EN7580 TapWatch Gateway



The Inovonics EN7580 TapWatch gateway provides the reliability of Inovonics submetering hardware with the anytime/anywhere access of the cloud. Using the TapWatch gateway for large properties, providers can directly access reads data for integration into billing software via TapWatch APIs, or manually access reads data through the TapWatch application.

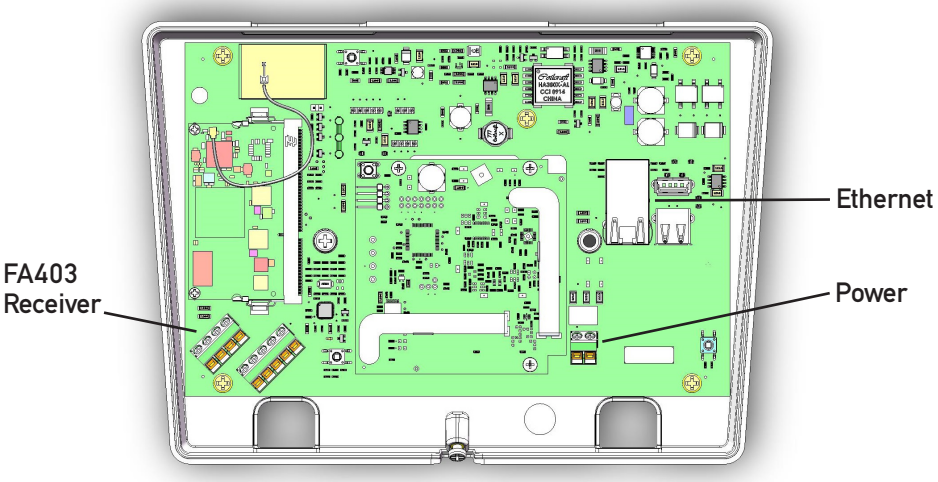
Product Features

Combines the receiver and data logger functionality into a single gateway
Supports over-the-air updates
Full compatibility with previously installed EchoStream and Frequency Agile (FA) systems

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 20VA, or a 12-15V DC power supply capable of supplying at least 20VA; POE: IEEE 802.3af-2003 compliant
Router requirements:	The router must 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), HTTPS (443), NTP (123)
Connectivity:	Ethernet: 10/100Base-T, DHCP, static IP; WiFi: 802.11b/g/n, 2.4GHz, WPA/2-Personal, DHCP, static IP
Transmitters supported:	2000
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, Industry Canada RSS 247, RCM

Inputs



Reference Materials (available at www.inovonics.com)

TapWatch Gateway Installation Instructions

TapWatch Application User Manual

Connecting a TapWatch Gateway through a Firewall Tech Note

Dual Vendor Submetering Systems Challenges and Recommendations Tech Note

EchoStream Device Installation Recommendations Tech Note

Submetering? Don't Take the Hardware for Granted Tech Note

Using a Barcode Scanner for Submetering Transmitter Configuration Tech Note

Using Cellular Connectivity with TapWatch Gateways Tech Note

Using WiFi Connectivity with TapWatch Gateways Tech Note

- 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

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

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