

Auditor 6M+One

Electricity billing
and monitoring
for the IoT age



Wattwatchers brought circuit level electricity monitoring to market with the award-winning Auditor series.

Now we've expanded the Auditor range, adding modbus to the Wattwatchers' cellular devices that provide reliable electricity monitoring for residential and commercial applications. Modbus allows bundling with secondary third-party devices including National Measurement Institute (NMI) approved billing meters. Integrating these Wattwatchers 6M+One bundles - in single and 3-phase versions, with or without our switching option - provides you with real-time energy management PLUS billing applications.

Use-cases include:

- Solar PPA Billing
- Embedded network billing
- Microgrid billing
- Behind-the-meter transactions
- Solar monitoring and DER integration
- Home Energy Management

We're always looking for new use cases, so contact us to discuss your application of the Auditor 6M+One.

Features

- Real-time energy monitor leveraging cellular communications
- Up to 6 channels of measurement and 1 channel of billing data
- Class-1 accurate monitoring (6 channels) and NMI compliant billing (1 channel)
- Suitable for single, two and three phase applications
- Two-pole + two-pole, 70mm DIN package (single phase); two-pole + four-pole, 160mm DIN package (three phase)
- Domestic, commercial and industrial applications, with wide range of CT sizes available
- Device Management System for over-the-air configuration

Options

- Switching for up to two independent circuits when paired with external contactors

Specifications

Auditor 6M+One

Communications	GSM/GPRS/EDGE: Quad band 850/900/1800/1900MHz UMTS/HSPA+: Five band 800/850/900/1900/2100MHz; external antenna
Power Supply	Built in (operates from phase 1) universal power supply
Measurement channels	7 channels
Hosting	Wattwatchers (API, applications) hosted on AWS
Device Management	Wattwatchers supports a range of device management features including: Firmware updates Remote network diagnostics Configurable reporting rate
Energy logging	5 minute intervals
Logged values	Real and reactive power, min and max voltage and current, frequency
Logging period	30 days of 5 minute data for 6 channels The log is kept current, and used after an operational device has been offline.
Reporting interval	Default 30 seconds, configurable between 5 to 150 seconds
Data volume	22MB/month (5 minute data, indicative only)
Protocol	Wattwatchers (see WW-AN002)/ Modbus (local)
Voltage connections	Four pin connector supports three phases and neutral Phase 1 and Neutral are required to power the device and sense P1; Phase 2 and Phase 3 are for measurement only.
Current sensing	Standard CTs: 60A, 120A, 200A, 400A, 600A field interchangeable
Configuration	No network configuration required at install time. All APN settings pre-configured
Product Certifications & Markings	<p>Wattwatchers is a Responsible Supplier under the Electrical Regulatory Authorities Council (ERAC) in Australia - Supplier Code E5258.</p> <p>This Wattwatchers product:</p> <ul style="list-style-type: none">- Conforms with all relevant Australian, New Zealand and US standards- Is certified for network connection to the 3G AT&T cellular network in the US (PTCRB)- Conforms with a range of other international Standards relevant to the European Economic Community (including the UK)- Carries a number of marks (UL, CE, FCC) for which NATA registered laboratories have issued test reports <p>We recommend that customers always check conformity against their own jurisdictional, use case or other requirements.</p> <p>For more information: Speak to your Wattwatchers contact or email info@wattwatchers.com.au</p> <p>Also, see our guide - Wattwatchers Certifications and Markings.</p>