



**TRIACTA**  
SUBMETERING BEYOND MEASURE™

# Triacta Power Solutions

**Multi-point Electrical  
Submetering Solutions**  
for Energy Management,  
Tenant Billing and Building  
Control Applications

## Submetering

Highly accurate, with a low cost per meter point

Triacta multi-point electrical meters are among the most accurate and reliable meters available today — with a low cost per meter point and easy installation and configuration processes that give you fast and complete building coverage.

## Beyond Measure

Free and unobstructed flow of building services information — while you remain in control of YOUR data

Triacta's meters are web-centric devices with collectors built-in, so there's no need for additional proprietary on premises collector systems. And all Triacta products use multiple internet and BAS protocols, so communicating with cloud-based servers or building automation systems is a snap.

## Features

### ACCURATE, RELIABLE, SEALABLE

Get the right information to the right place, at the right time

### MULTI-SERVICE CAPABILITIES

Gain valuable insight into all your building services consumption through a unified metering network

### INFORMATION MANAGEMENT WITH NO VENDOR LOCK-IN

Remain in full control of your data, pick and choose where your data goes and who can access it

### LONG LASTING, UTILITY GRADE DESIGN

Maximize your meter investment by deploying long-lasting, utility grade meters

# Introducing Triacta GATEWAY™

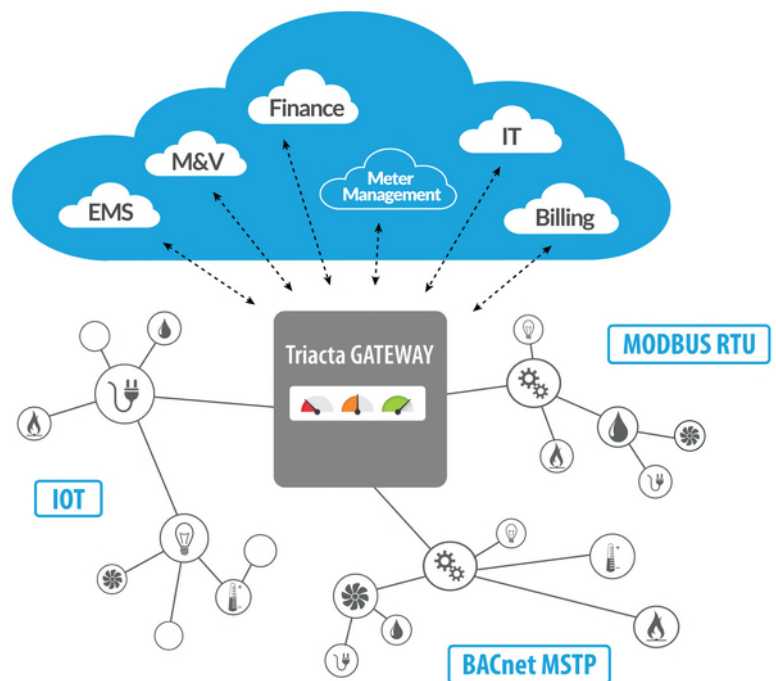
Next generation electrical metering and multi-service data acquisition



### BUILDING SERVICES INFORMATION WHEN AND WHERE YOU NEED IT

Triacta GATEWAY systems are modular, high density electrical meters and pulse collectors for M&V, energy management, and tenant billing applications.

Combining highly accurate, easily deployable, best-in-class metrology with a powerful computing foundation and Internet of Things (IoT) networking techniques, the Triacta GATEWAY system can easily integrate with legacy building automation protocols or with an IoT oriented network — seamlessly delivering building information to multiple cloud-centric or server-based systems, and making advanced building controls and M&V practical for the sub 50,000 square foot market.



### KEY FEATURES

- ✓ **Revenue Grade** – Billing ready, sealable, reliable
- ✓ **48 Mix and Match Inputs** – Energy management grade metering, revenue grade metering, pulse data collection, and data acquisition – all combined in a single box
- ✓ **Flexible Configuration** – Save 30 to 50% in deployment costs with any mix of 3-phase, 2-phase or 1-phase meter points
- ✓ **Multi-homing** – Gain information mobility and vendor independence
- ✓ **Dual Reference Voltage** – Save money by maximizing meter-point optimization with Triacta GATEWAY's dual voltage reference capabilities
- ✓ **WIFI Craft Interface** – Instantly connect to existing WIFI networks or establish your own when none are present
- ✓ **Cloud-based Resource and Meter Management** – Leverage the power of the cloud for anytime access to meter information while easily (and remotely) managing your meter network
- ✓ **Your Data, Safe and Secure** – Full HTTPS encryption, automatic security updates, and Linux permission enforcement for different classes of users
- ✓ **Future-proof Capabilities** – Be ready for today and tomorrow with Triacta GATEWAY's fully upgradable Linux operating system, field installable communication expansion cards, and remotely upgradable firmware



## Energy Management Meters

### PowerHawk 4000 Series

Meter or monitor remote loads in multi-tenant buildings, commercial, industrial, or institutional spaces with the Powerhawk 4000 Series



#### METER CONFIGURATIONS

PowerHawk energy management meters come in two configurations – for low or high density metering applications.

**PowerHawk 4X06 Low Density Meter** - The PowerHawk® 4X06 is designed to meter or monitor branch offices, remote loads, and other low density metering applications. The PowerHawk 4X06 provides six meter elements that can be configured for 1, 2 (network), or 3 phase meters.

**PowerHawk 4X24 High Density Meter** - The PowerHawk® 4X24 is a high density energy management meter designed for multi-tenant buildings, medium-sized retail and institutional spaces, and other high density application. The PowerHawk 4X24 meter provides twenty-four meter elements that can be configured for 1, 2 (network), or 3 phase meters.

#### KEY FEATURES

- ✓ **Fast Installation** – For new construction or retrofits
- ✓ **One Device** – Supports metering of up to 24 individual circuits with one device
- ✓ **All Measurements** – Measures Wh delivered and received, VARh delivered & received, VAh, Vrms, Irms, Watt demand, VA demand
- ✓ **Read Anywhere** – Can be read on-site or remotely
- ✓ **Automated** – Built-in MODBUS® TCP and BACnet® protocols for easy building automation integration or push data directly to cloud services
- ✓ **Uses Existing Connections** – Uses existing wireless or cellular modems, or high-speed Internet connections

## Revenue Grade Meters

### PowerHawk 6000 Series

CDFA certified, NYPSC listed, Measurement Canada and Maryland PSC approved, and independently verified to ANSI C12.20 Class 0.5 and Philippines ERC Class 0.2



#### METER CONFIGURATIONS

PowerHawk revenue grade multi-point meters come in three configurations to satisfy different densities of application.

**PowerHawk 6X03 Low Density Meter** - The PowerHawk® 6X03 is designed to meter or monitor branch offices, remote loads, and other low density applications. The 6X03 provides six meter elements that can be configured for 1, 2 (network), or 3 phase meters.

**PowerHawk 6X12 High Density Meter** - The PowerHawk® 6X12 is designed to meter or monitor multi-tenant office or residential buildings, medium-sized retail, industrial, or institutional buildings, and other high density applications. The 6X12 provides twenty-four meter elements that can be configured for 1, 2 (network), or 3 phase meters.

**PowerHawk 6320 High Density Meter** - A powerhouse in residential tenant submetering, the PowerHawk® 6320 is configurable as 20 single-pole meters, 20 single-phase (network) meters or 10 3-phase + 10 single-phase (network) meters.

#### KEY FEATURES

- ✓ **Certified** – CDFA certified, NYPSC listed, Measurement Canada and Maryland PSC approved, and independently verified to ANSI C12.20 Class 0.5 and Philippines ERC Class 0.2.
- ✓ **Fast Installation** – For new construction or retrofits
- ✓ **One Device** – Supports revenue-grade metering of up to 24 individual circuits with one device
- ✓ **All Measurements** – Measures Wh delivered & received, VARh delivered & received, VAh, Vrms, Irms, Watt demand, VA demand
- ✓ **Read Anywhere** – Can be read on-site or remotely
- ✓ **Automated** – Built-in MODBUS® TCP and BACnet® protocols for easy building automation integration or push data directly to cloud services
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# TRIACTA CLOUD

Meter and resource management software that includes everything needed to create and manage your metering infrastructure

## Meter Management

Triacta meters can be programmed on-site or remotely using Triacta Cloud. Configuration and management is simple and straight-forward. On-site programming can be performed from a PC-based configuration tool. Alternatively, connecting a meter to the Internet can automatically download a pre-programmed meter configuration – streamlining meter deployment and reducing installation time dramatically.

Once configured, an extensive set of meter management tools allow operators to monitor meter operation to ensure the integrity of energy information.

## Resource Management

Triacta Cloud is a complete Metered Resource Management System (energy, water, gas, and monetizable derivatives such as greenhouse gases) that combines automated data collection, powerful analysis tools, and flexible data export capabilities with cloud-based software delivery. Triacta Cloud delivers stakeholders as much or as little information as they need, at the office or remotely – 24/7.

## Software as a Service

Most multi-tenant metering systems are managed through on-site meter management systems, proprietary gateways, or dedicated server-based applications. Installing these systems presents obstacles to provisioning, accessibility, flexibility, and management. With Triacta Cloud Software as a Service (SaaS), there are no distracting set-up issues or deployment costs, no software licensing fees, and there's no hardware to buy.

With Triacta Cloud, any energy stakeholder can distill meaningful information from electricity, gas, water and BTU meters to pinpoint savings opportunities, create an accurate picture of a building's carbon footprint and identify failing equipment and expensive peak demand charges.

## About Triacta

Triacta Power Solutions designs and manufactures revenue grade meters and data acquisition devices for energy management, tenant billing, and building control applications. Every Triacta meter ships with software that combines meter management, automated data collection, powerful analysis tools and flexible data export capabilities – everything needed to create and manage a metering infrastructure.

Triacta's hardware and software make it possible to monitor hundreds of meter points within a facility in real-time. Triacta's meters can be integrated with existing building management and automation systems or used on their own to form a metering fabric for part of a building, an entire building, or a complete real estate portfolio.

Long known for its high-reliability, revenue-grade, multi-protocol submetering products, Triacta's meters have been deployed by submetering companies, property owners, building system integrators, and local distribution companies since 2003.

## Contact us for more information about Triacta's advanced submetering solutions

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