

## Turnkey Remote Monitoring, Control & Alarming

iSCADA® Optimizer™ is a rapidly deployed, managed machine-to-machine communications service used for monitoring and controlling remote fixed assets. Optimizer uses Internet, wireless, satellite, smart field devices, and a mix of proprietary M2M technologies to efficiently communicate operating data between people, devices, and systems.

- ▶ Monthly, turnkey communication services with minimal or no capital expense
- ▶ No new tools or training required; minimal demand on your field crew and engineering resources—turnkey
- ▶ High level of security
- ▶ No customer maintenance
- ▶ Managed upgrade path
- ▶ No application retooling
- ▶ Only use/pay for existing modules that have been developed for your application
- ▶ More reliable, available, and scalable system supported by more expert resources, than a single company can afford
- ▶ Backed by Service Level Guarantees

## Complete SCADA Functionality

Data acquisition, monitoring, reporting, alarming, trending, and control offered in two service levels:

**Optimizer** which monitors up to 50 variables (read or write) scanned every 5 minutes and reported once per hour, plus five minute report-by-exception reporting.

**Optimizer+** which monitors more than 50 variables with flexible reporting rates.

## Web Browser Access

Universal Internet access to remote operations with intuitive interface, familiar navigation, and no client hardware or software requirement.

## iGateway™ Field Equipment Interface

Optimizer service includes M2M's industry leading iGateway™ that provides the connection of all field equipment (RTUs, PLCs, EFMs, etc.) to M2M's infrastructure. iGateway is available with analog input, analog output, digital input, digital output, relay, thermocouple and pulse I/O.

## Broad Protocol Support

iGateway supports multiple communications channels, industry standard protocols (Modbus, DF1, etc.) and a wide variety of vendor specific protocols.

## Communications

Communications expertise and partnerships provide economical and best-of-class options for appropriate communications links, including spread spectrum, licensed radios, satellite, and terrestrial communications.

## Turnkey Infrastructure

Comprehensive network infrastructure that ensures data integrity, availability and security, and M2M's network operations center provides complete management of the facilities that transport the data payload.

**Monitor** • Know how your remote assets are operating

**Manage** • Use the knowledge to manage your assets

**Optimize** • Lower costs & increase profits

## High Security

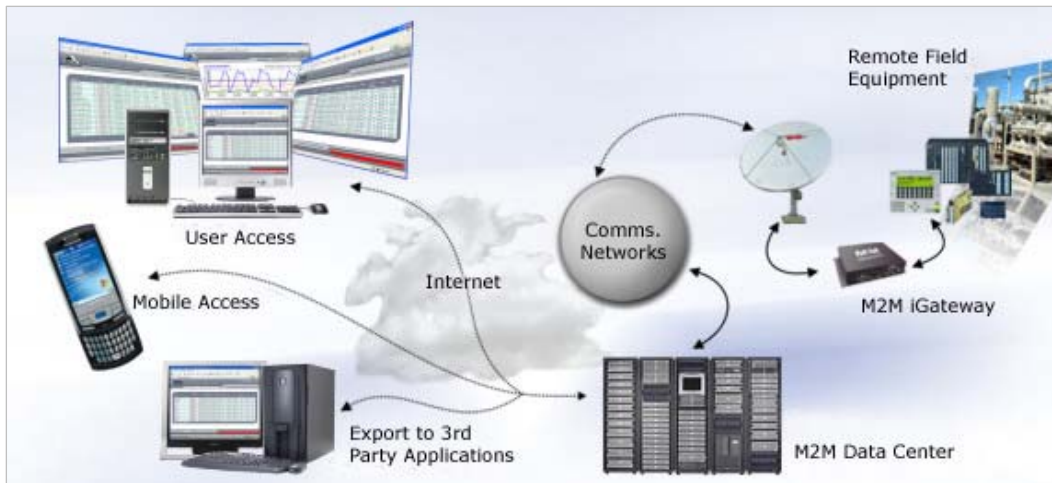
Defense-in-depth security including strong encryption of data and communications, multi-factor authentication, IDS, firewalls, hardened OS and system architectures, and stringent security policies and procedures.

## Rapid Deployment

Optimizer, together with M2M's extensive industry field expertise and best-of-breed design, manufacturing, and testing services - provides the fastest time-to-service in the business with the least amount of customer overhead. Optimizer projects deploy in hours vs. days, months, or years.

## Fully Managed Infrastructure

Optimizer is a superior value-added service and application that allows remote asset owners to enjoy the economic benefits of a machine-to-machine systems with the fewest resources.



Built upon a secure and scalable platform, the M2M product line provides comprehensive SCADA functionality with value added, turnkey management services that drive a superior ROI. It offers a flexible, open architecture that fits into your environment, no matter how complex, and handles the specific challenges of communicating and integrating with diverse back office and remote systems.

## Option

If the remote equipment is already connected to a SCADA system, M2M offers a product called iDATA which provides all the functionality of Optimizer and Optimizer+ by collecting the data from the existing SCADA system database.

