

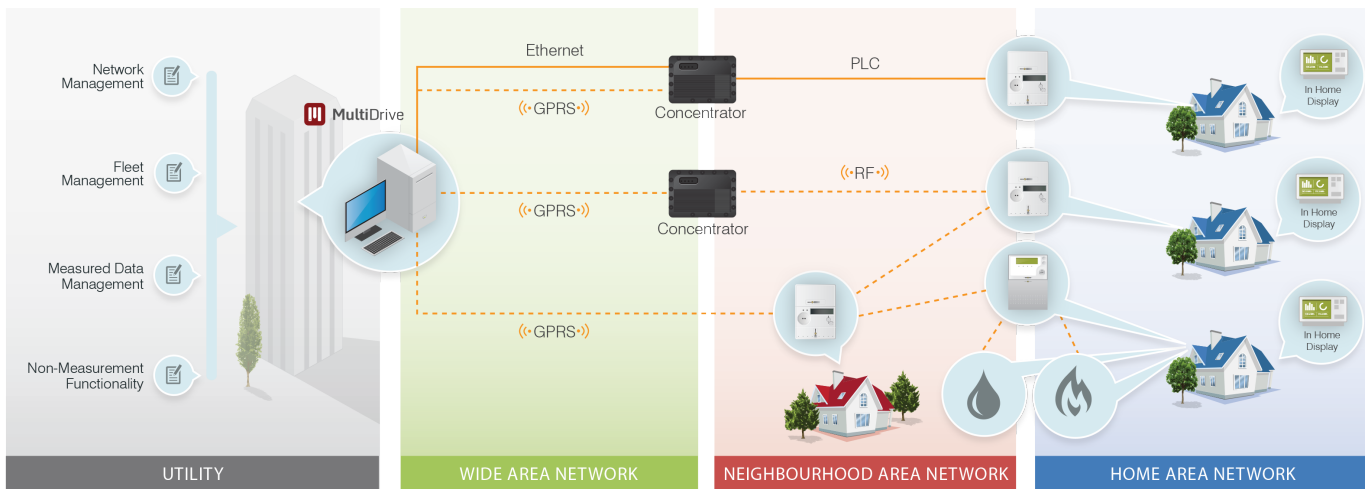


# EDMI Software

## Head End Software for Smart Meter and AMI Deployments



SOFTWARE SERIES



### PRODUCT INFORMATION

A complete meter data normalization and meter management software package which allows the collection of a large amount of data from utility meters or measuring devices in an AMR/AMM/AMI system using various communications technology.

### KEY FEATURES



FLEXIBILITY



REMOTE METER  
MANAGEMENT



HIGH  
PERFORMANCE



SUPPORT MULTI  
VENDOR PROTOCOL



HIGH  
SECURITY

# Head End Software for Smart Meter and AMI Deployments

## SPECIFICATIONS

### Network Management

- Management of the communication connections
- Support multiple meter protocols (Native EDM I Protocol, DLMS, ANSI, DLT and etc.)
- Connections to meters across multiple bearers
- Retrieval of signal strength information
- Automatic linking of metering devices to correct communication address or pathway
- Simplifies the deployment process via automatic commissioning

### Fleet Management

- Management of meter setup/configuration including provisioning, reading and writing configuration to the meters
- Management of meter firmware including upgrading or downgrading firmware in the meters
- Retrieval, storage and management of events received from smart meters
- Fast and easy to use commissioning system.
- Reduces installation time and guarantees quality meter installation and communications link

### Measured Data Management

- Storage and recovery of measured data
- Basic data verification validation and validation
- Retrieval of time of use data. The system supports multi-register billing requirements, daily, monthly and three monthly billing cycles and snapshots and interval values
- Retrieval of interval data including energy, water and gas consumption data
- Retrieval of power quality event data including Sag/Swell, Total Harmonic Distortion, Unbalance, over current exceedance
- Retrieval of maximum, minimum and average voltage, current and other electrical quantities

### Scheduling

- Robust scheduling engine to trigger functions via timed schedules, on an adhoc basis or based on events received from meters
- Supports server or meter initiated connections

### B2B Interface

- Includes file/database export and Application Programming Interface (API) to support communicating with utility back office systems

### Non-Measurement Functionality

- Load control functionality on demand side response, load shedding and load limiting business processes
- Supporting retrieval of site diagnostic information
- Send messages to In Home Displays via HAN technologies
- Unlocks all the functionality of the feature rich EDM I Atlas smart meters

### Architecture and Performance

- Supports multiple communications servers load balancing to allow scalability and availability
- Tested for reading up to 500,000 devices using typical GPRS communications on a daily basis
- Thick and thin clients for supporting multiple concurrent users
- Ability to export data to other systems via File/DB and other standard interfaces.
- API's to allow full control of functionality from back office systems
- Can be tailored to match operational constraints
- Supports both Oracle or MS SQL
- Designed to operate in a utility environment with 24/7 up time
- Designed to resume upon restoration of communications or other infrastructure failures
- Support virtual machine, clustering and other HA technology so it can be integrated with the latest DR and business continuity planning

### Operating System

- Windows Server 2003 and above (Standard/Enterprise Edition supported)

### Hardware

- Physical/Virtual Server 3.0 GHz or equivalent dual Core CPU (minimum)
- 4GB DDR, 500 GB Hard Disk

### Function Overview

B2B INTERFACE						SCHEDULING
TOU	INTERVAL DATA	PQ DATA / EVENTS	DISCO / RECO	LOAD CONTROL	INFO DISPLAY	
MEASURED DATA MANAGEMENT			NON MEASUREMENT FUNCTIONALITY			
METER SETUP		FIRMWARE		METER EVENTS		
FLEET MANAGEMENT						
PROTOCOLS		CONNECTION MANAGEMENT		COMMISSIONING		
NETWORK MANAGEMENT						

#### EDMI Limited

47 Yishun Industrial Park A, Singapore 768724

Tel: +65 6756 2938 | Fax: +65 6756 0125

Email: sgmarketing@edmi-meters.com | sgtechsupport@edmi-meters.com



[www.edmi-meters.com](http://www.edmi-meters.com)