

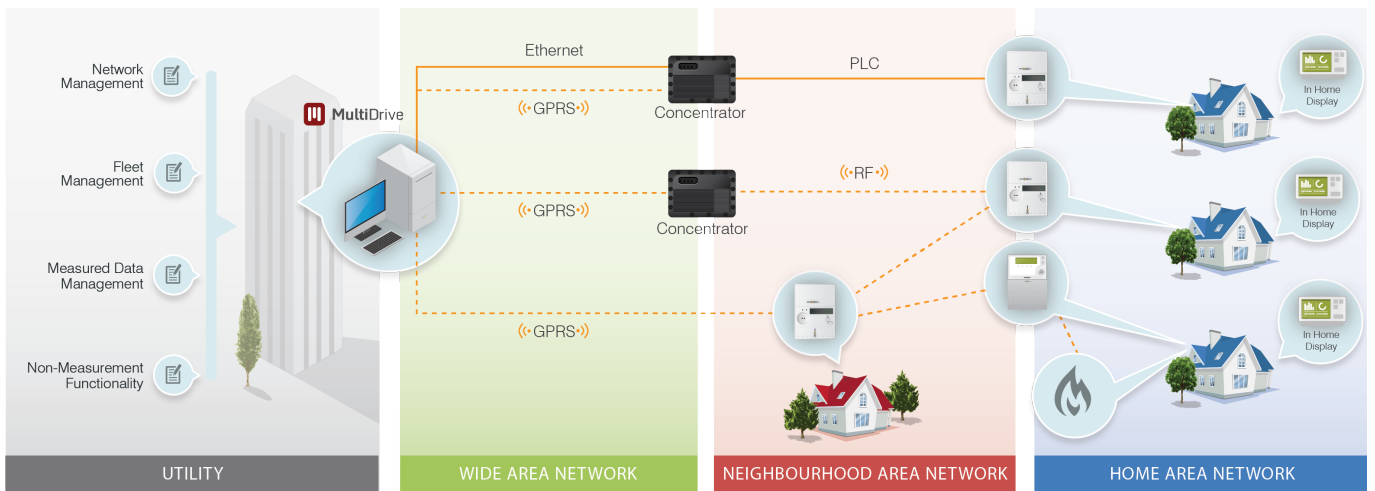


SOFTWARE



MultiDrive

On-Premise Head End System for AMR and AMI Deployments



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.

I Key Features

-  FLEXIBLE
-  REMOTE METER MANAGEMENT
-  HIGH PERFORMANCE
-  SUPPORT MULTI VENDOR PROTOCOL
-  HIGH SECURITY



On-Premise Head End System for AMR and AMI Deployments

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 ad hoc 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
- Gigabit Network Card

Function Overview

B2B INTERFACE					
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					

SCHEDULING

EDMI Limited (Headquarters)

47 Yishun Industrial Park A, Singapore 768724
 Tel: +65 6756 2938 Fax: +65 6756 0125
 Email: marketing@edmi-meters.com
 techsupport@edmi-meters.com

www.edmi-meters.com

