ASE DLMS METER EXPLORER

OVERVIEW

ASE DLMS Meter Explorer is meter communication software compliant with the IEC 62056 standard of the DLMS/COSEM specification and DLMS UA Colored books (Blue book and Green book). Meter Explorer is an ideal fit for meter reading applications, providing out of the box connectivity to SCADA / OPC client applications for DLMS meters and devices. Meter Explorer is also widely used for testing DLMS meters as well as for demonstrating interoperability.

Object list

Load Profile

Global Watch Window

Group of Instantaneous Data

APPLICATIONS

DLMS meter testing

Meter Explorer allows reading and writing meter data and configuration objects thereby validating meter's accuracy and functional conformance to companion or utility specifications. Detailed communication analysis can be performed using the traffic window of Meter Explorer. Protocol traffic can be saved to TXT file which can be used by testers or meter manufacturers for troubleshooting.

Automated meter reading

Periodic scanning groups and auto export of data to TXT or CSV file makes Meter Explorer an ideal ft for small scale utility meter reading applications. SQL Database insertion feature can be provided upon request.

Integration tool

Ideal for requirements of meter reading, providing out of the box connectivity to DLMS meters and devices. Universally accepted OPC Data Access V3.0 interface to meter data with backwards compatibility to earlier OPC DA versions.

KEY FEATURES

- Communication types
  - RS232/RS485 (Direct HDLC)
  - Optical (Direct HDLC / Mode E)
  - Ethernet (IPv4 / IPv6)
  - Cellular modem (IPv4 / IPv6)
  - PLC/RF modems supporting IPv4 / IPv6
  - HDLC serial over IP

- Application Context
  - LN without ciphering
  - SN without ciphering
  - LN with ciphering
  - SN with ciphering

- Authentication
  - Lowest
  - Low (LLS)
  - High (HLS)

- Conformance block
  - Get, Get with block transfer
  - Set, Set with block transfer
  - Action
  - General Protection
  - General Block Transfer
  - Data Notification
  - Read
  - Write

- OBIS codes
  - Support all range of OBIS codes (Standard, Manufacturer, Country, Utility)
  - Automatically resolve OBIS code to more understandable names

- Supports data notification (push) and automatic save push data to CSV file
- Ciphering, key transfer with/without key wrap
- Firmware update using image transfer
- Supports object list download from meter and save as CSV file
- Profile buffer automatic save as CSV file
- OPC data access server support for integration with OPC client applications
- Insert data to database feature available on support
- Manual (on-demand) as well as automatic (schedule-based) reading from meter
- Traffic view and save as text file for communication analysis