



APPLICATION

IZAR@NET is an energy data management software that is able to do automatic readings of M-Bus and Fixed radio networks. Additionally it is possible to manage tours and data of Walk-by or Drive-by meter readings. Different modules give the possibility to adapt the software on your requirements.

FEATURES

- ▶ One software for managing radio and wired M-Bus reading systems
- ▶ Reading and remote reading of all types of resource meters (water, thermal energy, electricity, gas meters)
- ▶ Editing and visualisation of meter data in tables and diagrams
- ▶ Archiving of all meter data in a powerful Oracle® SQL database
- ▶ Optional use of modern client-server structure enabling simultaneous use
- ▶ Possibility of alarm monitoring and actions

MAIN FEATURES

| IZAR@NET | |
|-------------------|---|
| Meter replacement | Handling of manual meter replacements |
| User interface | User friendly Windows-based user interface |
| Values displayed | List and table view fully configurable |
| Menus and icons | Fast access to key functions by adapting the toolbar and creating own buttons |
| Manual changes | Manual entry and changing of meters and meter counts on request |
| Data reduction | Size optimization of the database (automatic suppression of old data) |
| Data backup | Data security backups on external media |

SYSTEM REQUIREMENTS

| IZAR@NET | |
|--------------------|---|
| Operating system | Microsoft Windows® (2003 Server R2 SP2, XP SP2, Vista Business Edition) |
| CPU | min. 2 GHz |
| Main memory | 512 MB (1024 MB recommended) |
| Hard disk space | min. 4 GB |
| File system | NTFS |
| Screen resolution | min. 1024 x 768 |
| Interfaces | 2 free USB connectors |
| Drives | CD-ROM |
| Network connection | TCP/IP with static IP (no DHCP) |

VERSIONS

| IZAR@NET | |
|--------------------|---|
| IZAR@NET 60 | for reading up to 60 measuring points |
| IZAR@NET 250 | for reading up to 250 measuring points |
| IZAR@NET 1000 | for reading up to 1000 measuring points |
| IZAR@NET 5000 | for reading up to 5000 measuring points |
| IZAR@NET unlimited | for reading an unlimited amount of measuring points |

NOTE: Orders for an IZAR@NET version must include at least one of the following basic modules. With other basic or additional modules the software can be adapted to the need.

Software training and installation carried out by Sappel service team or qualified partner.

BASIC MODULES

| IZAR@NET | |
|-----------------------|--|
| IZAR@NET WALK & DRIVE | Supports direct USB connection to a IZAR HANDHELD PSION device and the organisation of Walk-by / Drive-by tours for reading / management of radio meters and customer data. |
| IZAR@NET FIXED | Supports data download from an FTP server that was uploaded via Ethernet LAN or GPRS from a fixed installed data concentrator (IZAR RECEIVER LAN/GPRS or M-Bus Master IZAR CENTER). |
| IZAR@NET M-BUS | Supports direct connection via USB, RS232, Ethernet LAN or analog/GSM modem connection to an IZAR CENTER M-Bus master. Possibility to do on demand meter readings or readout of IZAR CENTER Memory data. |

ADDITIONAL MODULES

| IZAR@NET | |
|-----------------------------|---|
| IZAR@NET GRAPHIC & ANALYSIS | Consumption monitoring: illustration of up to 6 meter counts in a bar or line graph diagram. 3 diagrams can be displayed in one window (also with the possibility of an online mode). |
| IZAR@NET ALARM | Automatic creation of meter alarms for Fixed Network and M-Bus installations, visualisation on screen or transmission via SMS / email. |
| IZAR@NET MAPS | Visualisation of readings on a map (Requirement: Google Earth® installed). |
| IZAR@NET IMPORT/EXPORT | Interface for import and export of meter and customer data e.g. from/to a billing software system (ASCII, Excel®, ODBC database connection). |
| IZAR@NET VIRTUAL METERS | Calculations of virtual meter values (e.g. summarize all sub meters from one building). |
| IZAR@NET EXTENDED DATABASE | Extension of limited (4 GB) Oracle® Express Edition (incl. in IZAR@NET) to unlimited Oracle® Standard Edition One database. Allows additionally a higher database performance. |

NOTE: There is a standard adaption included in IZAR@NET MAPS and IZAR@NET IMPORT/EXPORT. Any specific adaptations required will be executed by our support team.

In case of specific adaptations software updates have to be executed by Sappel support team or qualified partner.

The Oracle® Express Edition limit of meter data (4 GB) would be reached with the following configuration examples:

- Walk-by installation: 18,000 heat meters or 100,000 water meters; reading interval: once per month; data storage: 10 years
- Fixed network installation: 3,000 heat meters or 17,000 water meters; reading interval: once per day; data storage: 2 years
- M-Bus installation: 125 heat meters or 700 water meters; reading interval: every 15 minutes; data storage: 0.5 years