

AMBUS® Net

The new standard for efficient data readings



- **Reliable and error-free data transmission** from meter to PC
- **Clear information with the system logbook** for events or errors
- **Free choice of data transmission:** from memory card to Internet connection. Select the most effective method for your system
- **Plug & Play:** no installation on the PC required with EXCEL format and Java
- **Simple data management** by grouping the meters into usage units or energy types
- **Open standards** (SOAP XML) to lower system integration costs

AMBUS® Net

An Internet-compliant M-Bus central unit with state-of-the-art technology, compatible with M-Bus EN 1434-3 standard meters.



AMBUS® Net sets new standards for:

- complete ease of operation
- reliable data transmission
- efficient data transmission by data carrier, telephone, network or Internet
- plug & play importing into the PC
- integrated web server
- state-of-the-art methods for software integration (SOAP, XML, .Net)

Complete ease of operation

Operating the remote central unit once required a close study of detailed operating instructions.

With the full-graphics 5.7" touchscreen and a user interface based on Windows, such ease of operation with the AMBUS® Net was only previously possible with expensive instruments of a much higher class.

The operator is guided through the procedure with simple text in a language that can be selected. This ensures:

- Functions that are clearly marked (no multifunction keys)
- A language of your choice
- Intuitive operation

Functions right for the task further simplify data readings: meters can be grouped according to usage units (dwellings), e.g.

- All meters in an apartment
- All meters for water, heat, gas ...

Every usage unit can also be password protected so that only particular data are accessible to specific users as required.

The data logger extends the function from remote reading to data recording so that data can also be recorded in selected time intervals (1 x per hour to 1 x per year). Data from up to 5 counters can also be simultaneously recorded in 15 minute intervals for analysing unusual operating modes. The data logger is therefore an option to be recommended in most applications.

Reliable data transmission

A critical feature of the billing data process chain is reliable data transmission. Every reading or writing error can result in time-consuming enquiries that have to be dealt with.

AMBUS® Net provides automatic and thus reliable data transmission right up to invoicing.

Installing special reading software is now a thing of the past.

Efficient data transmission: From data carrier to Internet

AMBUS® Net has a wide variety of options for transmitting data. This ensures that the most efficient solution is available for every system.

One reading at the end of every quarter or every month is all that's required for invoicing. The reading can be done most effectively using the data carrier (CF card) and also sent by post. If readings are required more often or need to be read more conveniently, then a complete range of modern communication channels is available, from telephone (analog, ISDN, GSM) right through to a wide band or network link.

Plug & Play data import into the PC

AMBUS® Net uses the data logger to save all data in CSV format to be read directly by most spreadsheets (including Excel). This means that no costs for licenses or maintenance for special reading software are required. Pure Plug & Play.

Integrated web server

AMBUS® Net has the functions of a web server offering user data or the operator interface for an Internet browser on the PC. AMBUS® Net can also be remotely controlled using a communication link. This again requires no special software as the (Java) functions required are automatically loaded into the PC.

State-of-the-art software integration

AMBUS® Net also reduces costs for integrating it into process control systems by using tools from .Net. A World Wide Web service makes available data for every .Net client via a SOAP interface*. This service supplies, on request, the data from every meter or from every usage unit.

Design and installation

The rugged housing and integrated modem simplifies layout and installation of the system. A cordless telephone link with a GSM modem can also be set up if required.

*SOAP: Simple Object Access Protocol, based on XML

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