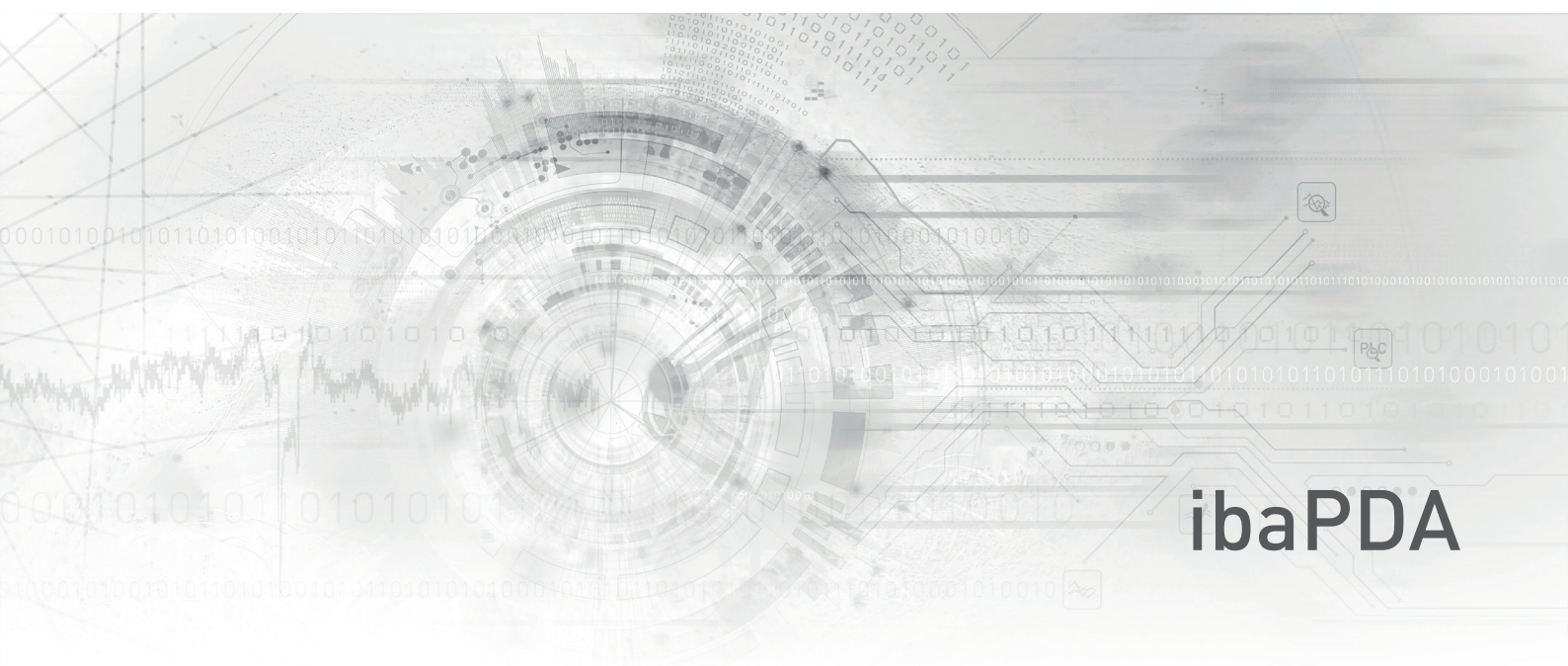


A complex technical background graphic featuring a central circular radar-like pattern, overlaid with binary code (0s and 1s), circuit traces, and a waveform graph on the left side. The text 'ibaPDA' is prominently displayed on the right side of this graphic.

ibaPDA

New Features v8.15.0

Release Notes

Issue 1.0

Measurement Systems for Industry and Energy

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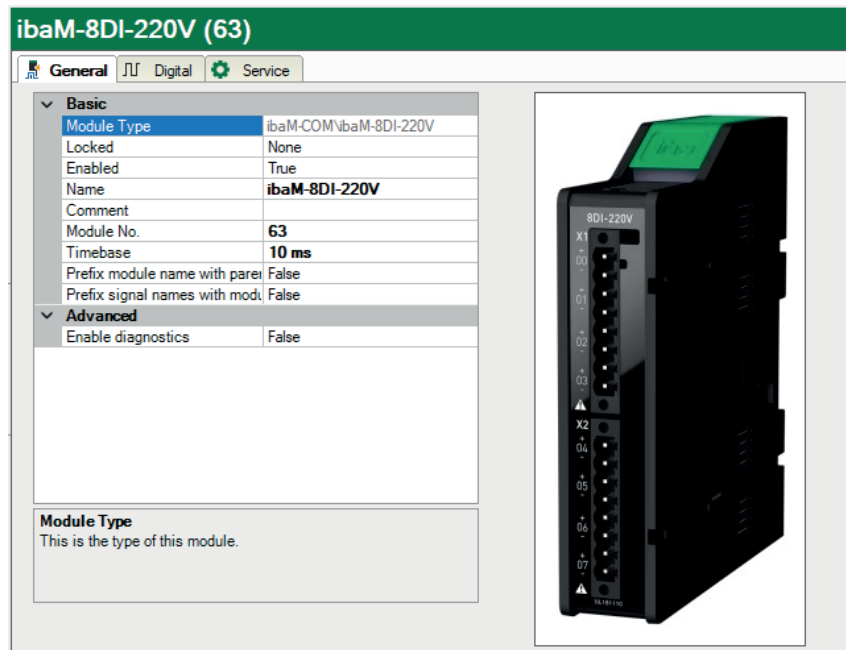
Issue	Date	Author	Changes
1.0	09-2026	rm	New features and improvements in ibaPDA v8.15

New features in version 8.15.0

The following new functions and improvements are available in *ibaPDA* from version v8.15.0.

The ibaM-8DI-220V input module is supported

Now that the ibaM-8DI-24V input module has already been released, the 220-V version of the module is also available. The module is part of the ibaMAQ system and provides 8 digital inputs for signal levels up to 220 V.



Time synchronization via PTP with ibaM-DAQ and ibaN-2E

The *ibaM-DAQ* processor module and the *ibaN-2E* PC card can now be configured to synchronize with a PTP (Precision Time Protocol) source for time synchronization. To do this, the devices must have the latest firmware installed:

- ibaM-DAQ: v01.08.001
- ibaN-2E: v01.03.001

IEC 61850 Client: Improved streaming capabilities

Using the IEC 61850 client interface with the additional IEC 61850-9-2 license, streams, known as sampled values, can be received from IEC 61850 devices. Starting with *ibaPDA* v8.15.0, streams whose sampling rate does not correspond to a timebase that is an integer multiple of a certain number of milliseconds can now also be processed correctly.

Expression builder: New and improved features

GetPlaybackTime and GetPlaybackTimeAsText

Similar to the functions for determining the system time, it is now also possible to determine the original recording time when playing back a data file. The date and time can be displayed as a value or as text.

- **GetPlaybackTime** returns the individual components of the date and time as numerical values, such as day, month, year, hour, minute, etc.
For each function call, one component can be retrieved and processed as a virtual signal. For example, to determine the time in the format hh:mm:ss, you need three virtual signals; in other words, the function must be used three times.
- **GetPlaybackTimeAsText** returns the date and time as a text signal. You can specify the output format using the function arguments. The UTC format is optional.

If you work with playback a lot and want to know where in the data file the playback is currently located, these functions are very helpful. You no longer need to look at the I/O Manager to see the position of the playback cursor.

DataStoreTextInfo

DataStoreTextInfo returns the path of the current data file as a text signal. The case of overlapping data files is taken into account.

FobHLinkStatus

FobHLinkStatus returns numeric status information about the link for the ibaFOB-H card, which is required as an interface to the Hitachi MACH automation system.

MFOLinkStatus

MFOLinkStatus provides numerical status information about the links of the MAQS module ibaM-FO-2io.

TimePeriodStoreTextInfo

The TimePeriodStoreTextInfo function has been extended to include the 'TimePeriodIndex' argument, so that it now also covers the case of overlapping time periods.

CAN-Xplorer interfaces: J1939 and DBC import

The CAN-Xplorer interface has been enhanced with the following features:

Support for the J1939 protocol

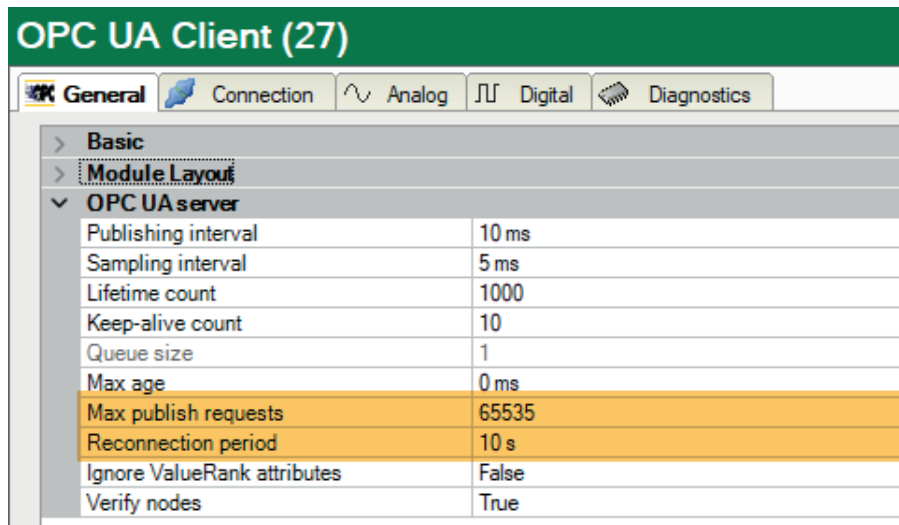
The J1939 protocol is a standard developed by the Society of Automotive Engineers (SAE) that defines data transmission between electronic control units (ECUs) via the CAN bus (Controller Area Network). The standard applies to commercial vehicles such as trucks, buses, tractors, and industrial machinery.

Import of DBC files

DBC files (Database CAN) are text files used to convert raw CAN bus data into readable values. DBC files can now be imported into *ibaPDA* to use symbols for analog and digital signals.

OPC UA client module: New parameters for a secure connection

Two new parameters in the OPC UA client module settings account for weak or slow OPC UA servers.



Maximum number of publish requests

The default setting of 65,535 publishing requests could cause some OPC UA servers to become overloaded, resulting in the server terminating the connection.

For OPC UA servers that are underperforming or heavily loaded, it may therefore be advisable to significantly reduce this value in order to reduce the load on the OPC UA server. For example, setting the value to 1 can reduce the load on the OPC UA server and extend the time before the OPC UA server terminates the connection due to overload.

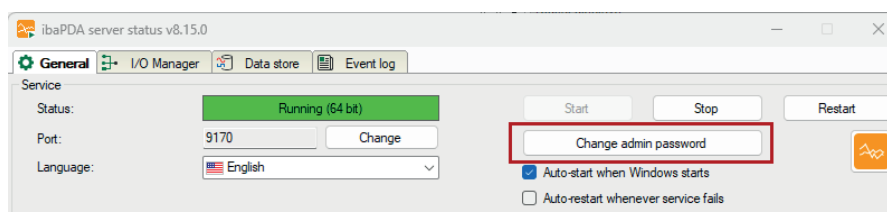
Reconnection period

This setting specifies the interval at which *ibaPDA* attempts to reestablish the connection to the OPC UA server after a connection failure. By default, this value is 10 s. Depending on the system configuration and the initialization time of the OPC UA server, times of up to 100 s or more may also be appropriate.

For more information, see the documentation for the *ibaPDA-Interface-OPC-UA-Client* product.

User management

The administrator password for *ibaPDA* can now also be changed in the *ibaPDA service status* application.



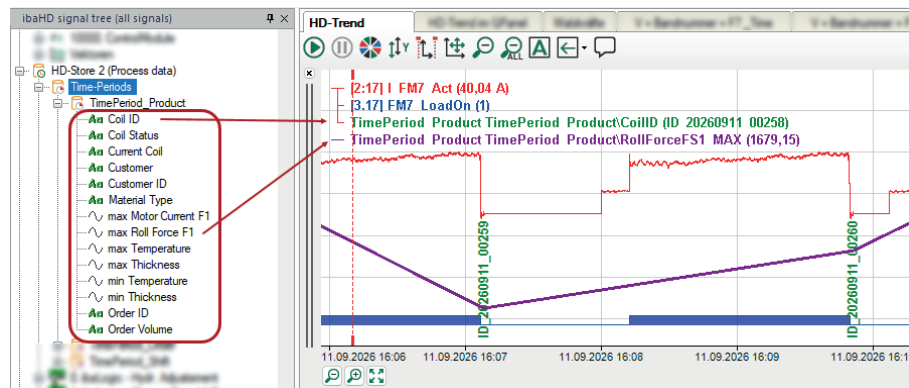
ibaCapture: New thermal imaging camera module

A new module type, "Thermal Camera," is now available for using thermal cameras with *ibaCapture* and can be configured in the I/O Manager under the *ibaCapture* interface. The thermal imaging camera module allows you to read temperature readings and control the camera.

ibaHD-Server: Time period info fields and HD tables

Time period info fields

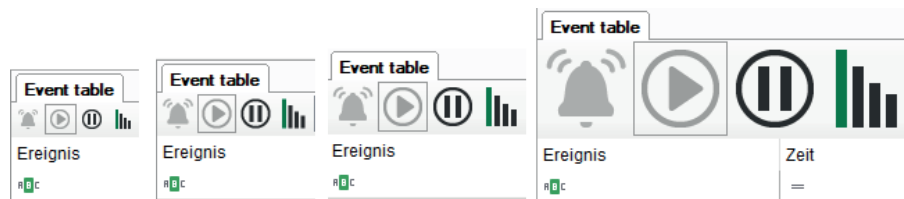
The info fields for time periods are now also visible in the HD signal tree and can be used in the HD trend graphs.



HD event table and HD time period table

The controls in the toolbar for these displays can now be resized.

In the properties of the views, you can choose from four different button sizes and set the width of the drop-down list for queries in pixels. The following figure shows a comparison of the four different sizes as an example.



The dialog for editing queries now includes features for organizing queries, allowing you to store the queries you've created in a clear and organized manner. You can now move both individual queries and entire folders using the corresponding buttons.