TEC-IT

Data Collection Software

TWedge V3

This versatile and universal data acquisition software extends arbitrary applications with flexible real-time data collection.

Smart Data Acquisition Middleware

TWedge automatically collects device data and forwards it to applications, databases, spreadsheets or even other devices. This software tool connects any device with any application in an elegant, cost-effective and flexible way.

Keystroke Simulation

If needed, TWedge converts captured data into virtual keystrokes and forwards them to the target application. The data appears exactly like manually typed by the user. This works locally as well as in Terminal Server (e.g. RDP or Citrix®) environments.

Microsoft® Excel®, File and Database Access

TWedge is able to interact seamlessly with Microsoft® Excel® spreadsheets, databases and text files. Additional software is not required for such purposes.

Scenario-Based Configuration

TWedge provides pre-configured templates which cover common data acquisition scenarios. This makes the software a very easy to use, yet powerful data acquisition tool.

Flexibility through Scripting

TWedge provides a completely new, script based approach offering maximum flexibility: The functionality of this DAQ tool is easily adjusted to even the most advanced requirements. The complete data acquisition logic can be customized with the integrated scripting language (JavaScript®). The processing capabilities are unlimited.

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Highlights

- **Easy Configuration**
  Simple setup and easy deployment through ready-to-use, scenario-based templates.
- **Unmatched Flexibility**
  The integrated JavaScript® provides functions for keystroke simulation, database and file operations, hotkeys, timers, user interaction, application control and more.
- **Multiple Devices**
  TWedge is able to manage multiple devices in parallel and can even be operated as converter between different protocols or interfaces (e.g. COM to TCP).
- **System Service**
  TWedge can be operated as desktop application or as invisible system service in the background.

Supported Interfaces

- **Serial Ports**
  RS232, RS485, virtual COM ports
- **Bluetooth®, UDP and TCP**
  Client and server mode supported
- **USB HID devices**
  TWedge selectively intercepts data from USB HID devices such as scanners, scales, keyboards, etc.

Supported Target Applications

- **Keystroke Simulation**
- **Microsoft® Excel®**
  Spreadsheets can be completed or queried effeciently (DDE - dynamic data exchange).
- **Databases**
  TWedge is able to access any ODBC database with SQL commands.
- **Text Files**
- **Web-Services**
  Any HTTP-based online service or web application

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