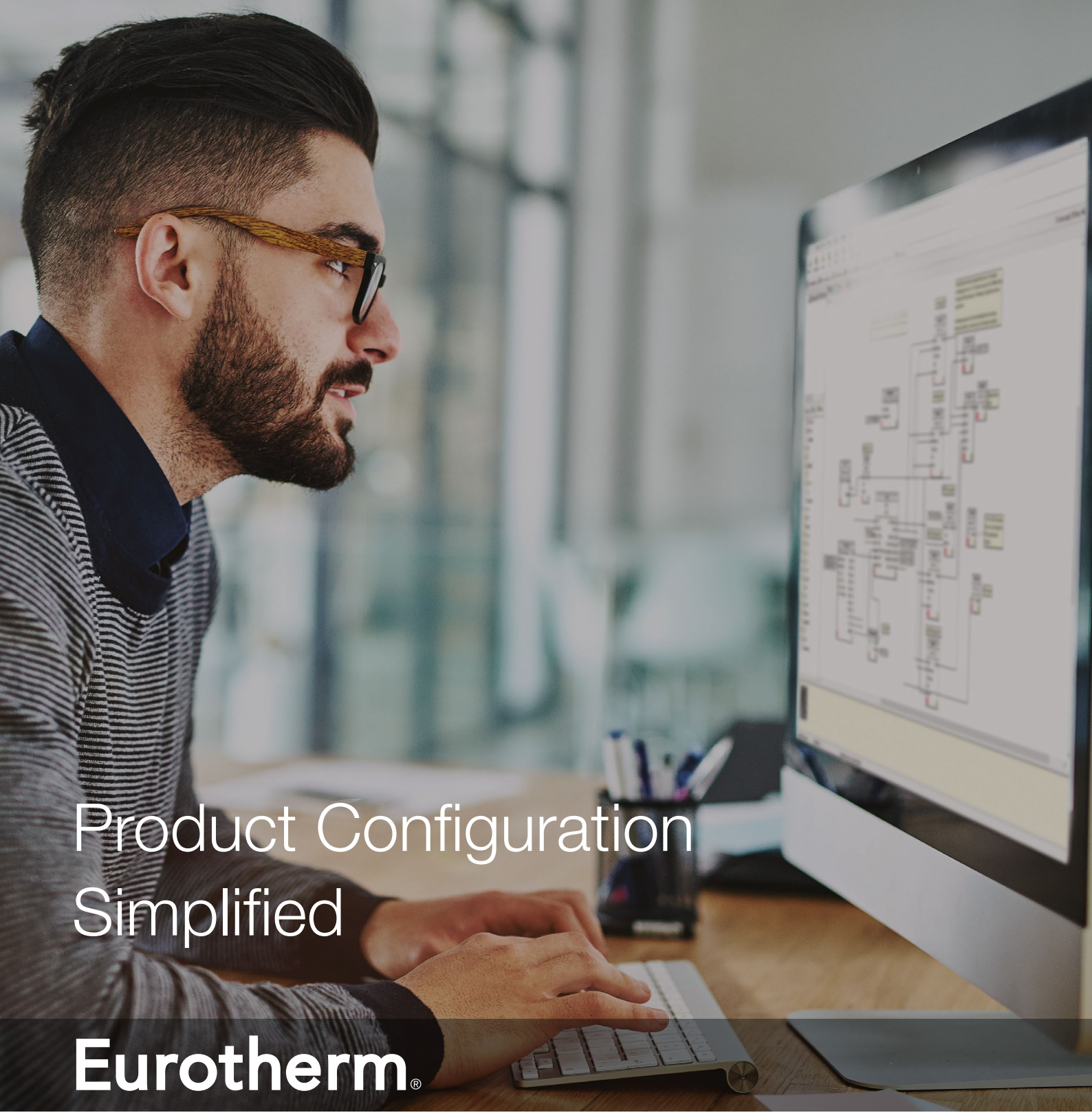


Product Configuration Simplified

Eurotherm®

iTools

A comprehensive suite of software tools with feature-specific editors that allow users to quickly configure, commission, monitor and maintain Eurotherm products.

eurotherm.com/itools

WATLOW®
Powered by Possibility

iTools Overview

iTools Features

- Terminal Wiring Editor
- Parameter Explorer
- Graphical Wiring Editor
- Programmer Editor
- and more...

Additional Features

- OPC Scope
- Basic SCADA
- Standalone Programmer Editor

OPC DA2 Connectivity

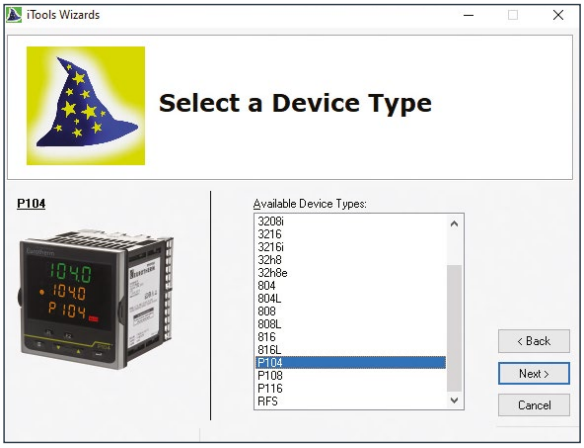
- Eurotherm PAC
- System platform technologies
- LabVIEW™
- and more...

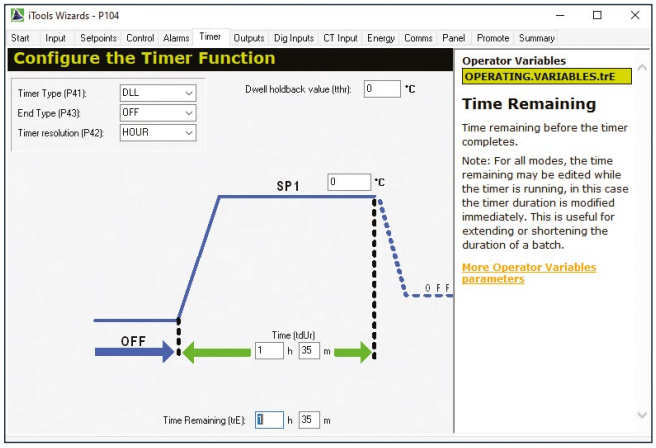
iTools free download eurotherm.com/itools
To purchase optional features contact us www.eurotherm.com/contact-us

iTools Features

Wizards

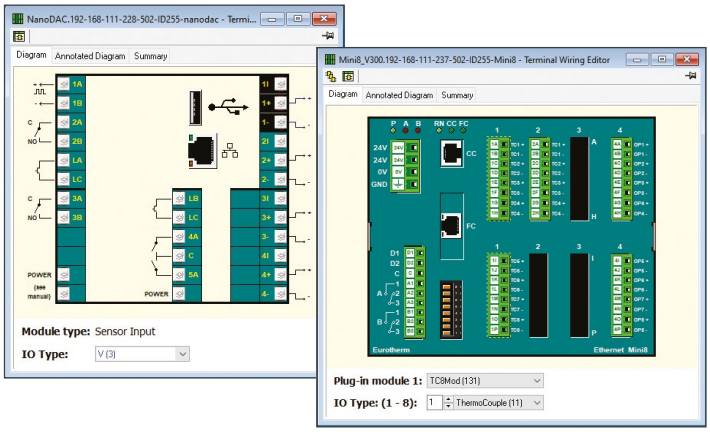
- Guided configuration of Eurotherm products
- Step-by-step sequence of pages
- Interactive help
- Graphical illustration of configuration settings





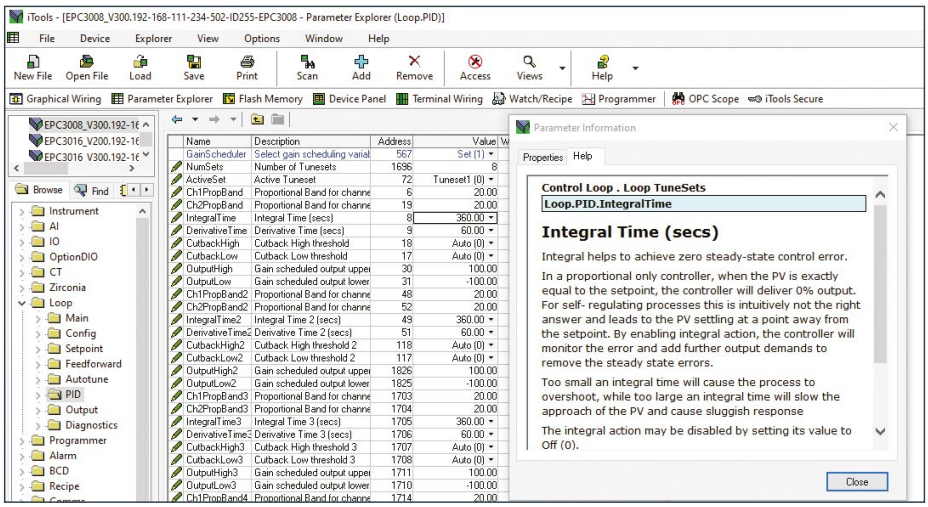
Terminal Wiring Editor

- Representation of the I/O module terminal configuration
- Online view shows the actual I/O configuration of a device
- Offline view enables configuration of required I/O



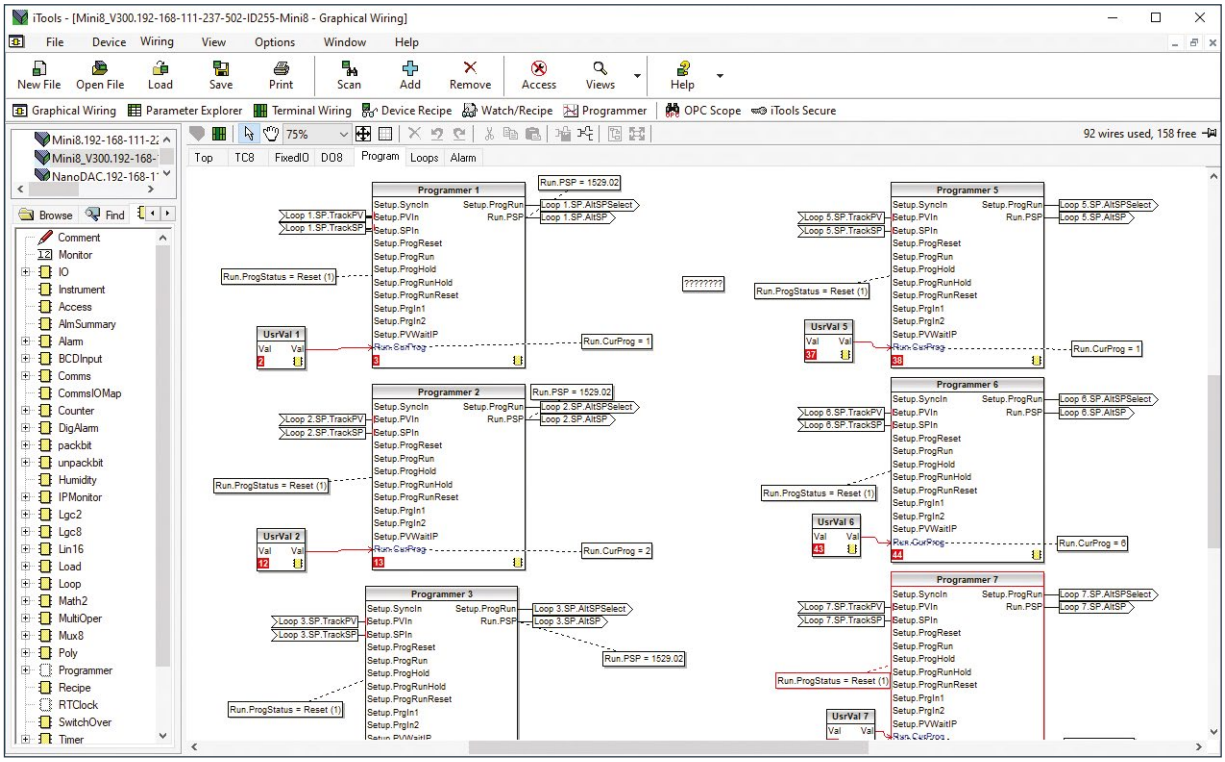
Function Block Parameter Explorer

- Browse library of function blocks
- Function blocks include I/O, PID, communications, maths etc.
- View and modify parameters in Parameter List View
- Parameter Help



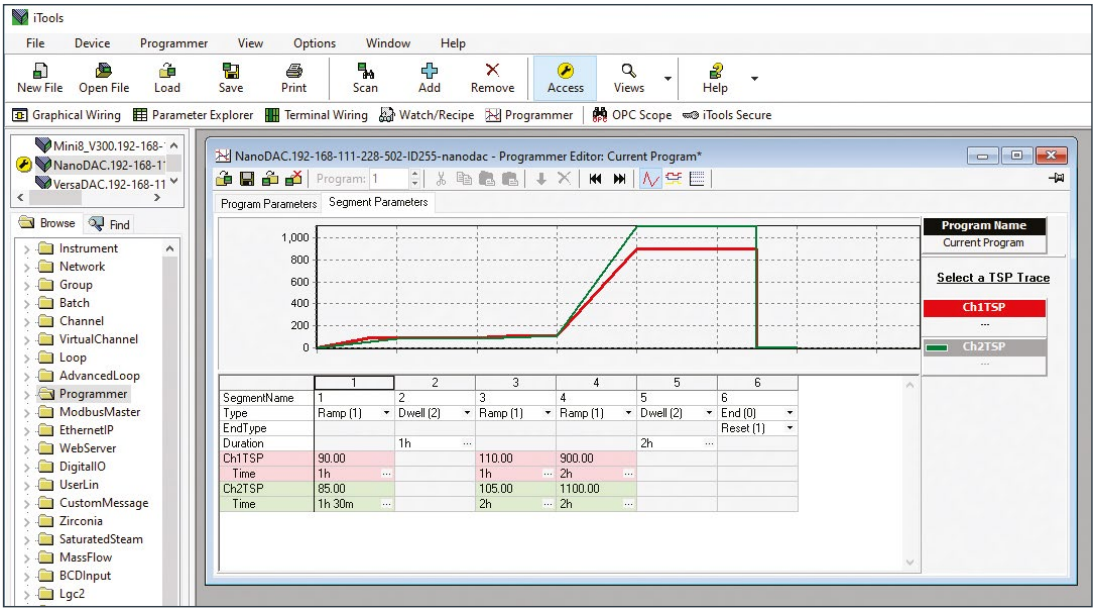
Graphical Wiring Editor

- Build on preconfigured function blocks
- Develop advanced control applications in minutes
- Simple drag-and-drop graphical interface



Programmer Editor

- Set up setpoint profiles
- Configure programmable event outputs
- Edit programs offline on a local PC, or an online device
- Download stored programs to device
- Store programs on local PC or device
- Stand-Alone Programmer Editor available for use by operators



User Messages

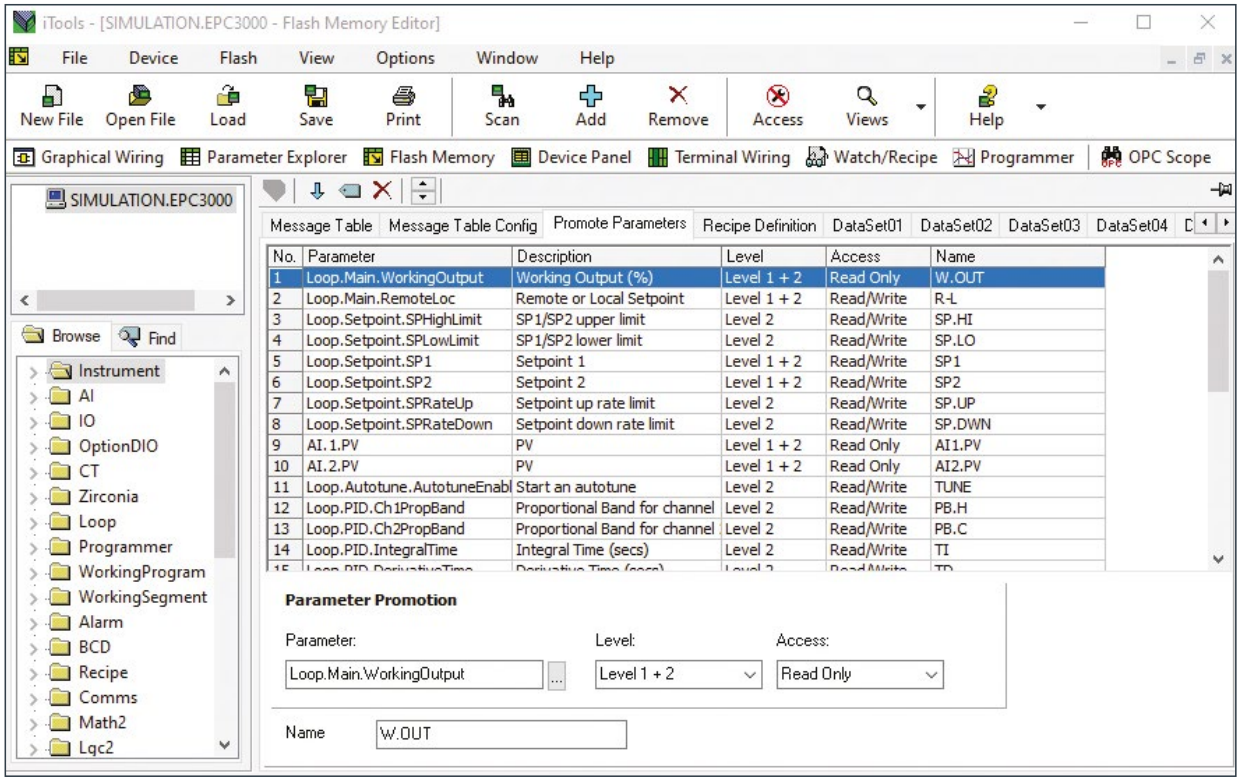
- Define user messages
- Assign messages to parameter values

Promote Parameters

- Identify priority parameters
- ‘User List’ displayed on the device front panel

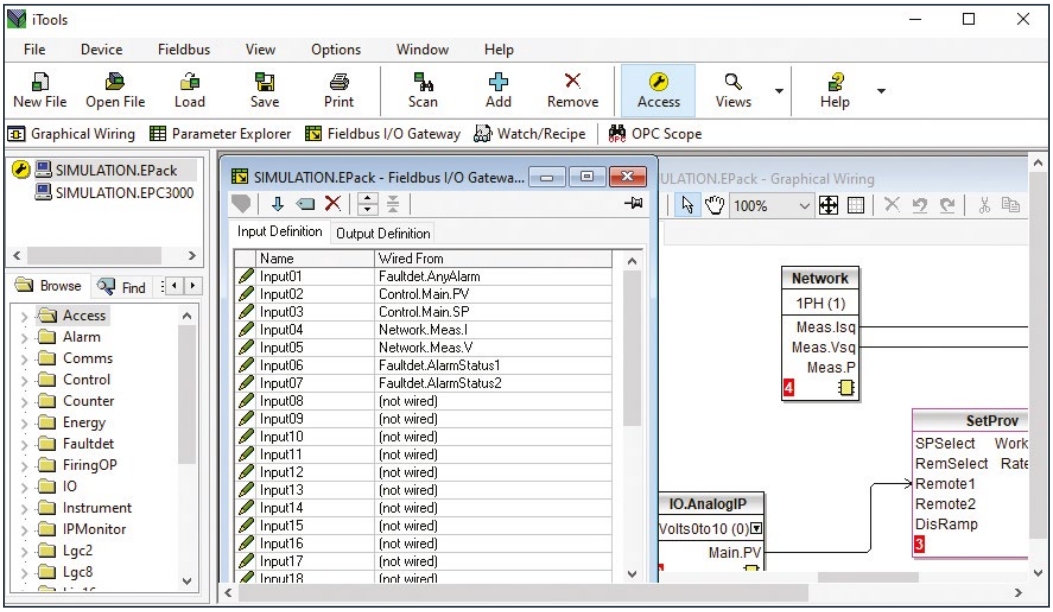
Device Recipes

- User defined list of parameters
- Create 'Data Sets' of parameter values to be downloaded and stored on the device



Fieldbus IO Gateway Editor

- Define ‘Input’ and ‘Output’ parameters to be available over Fieldbus link (e.g. EtherNet/IP, PROFINET)

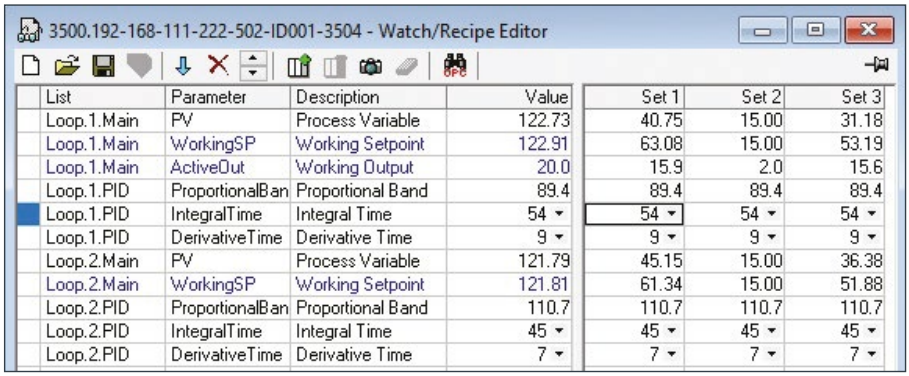


Device Panel

- Display a live interactive view of the device front panel

Watch/Recipe Editor

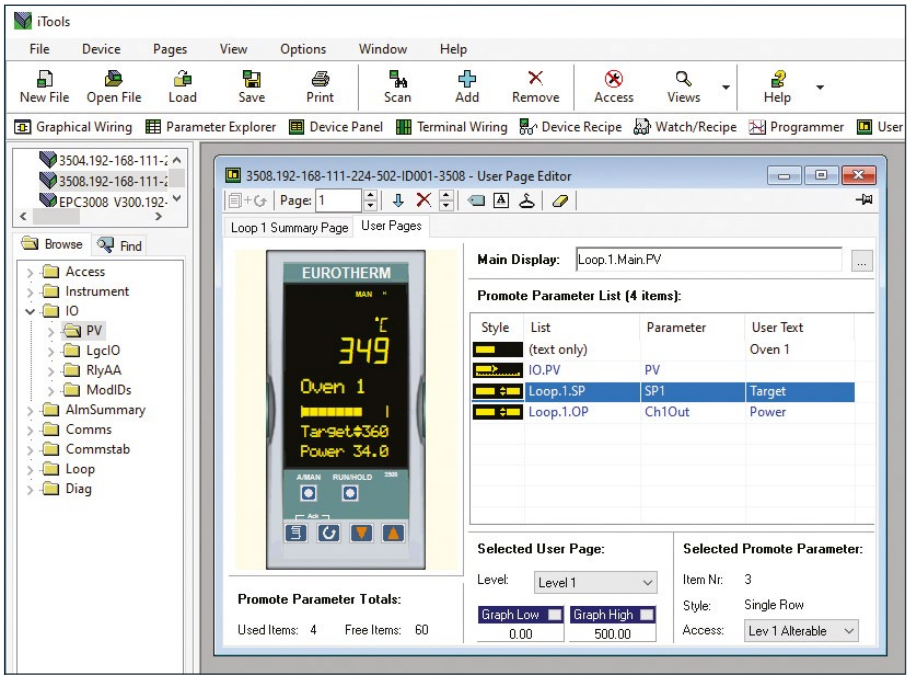
- Monitor watch list of live parameter values
- Recipe definitions are stored in files on the PC and managed within iTools



List	Parameter	Description	Value	Set 1	Set 2	Set 3
Loop.1.Main	PV	Process Variable	122.73	40.75	15.00	31.18
Loop.1.Main	WorkingSP	Working Setpoint	122.91	63.08	15.00	53.19
Loop.1.Main	ActiveOut	Working Output	20.0	15.9	2.0	15.6
Loop.1.PID	ProportionalBan	Proportional Band	89.4	89.4	89.4	89.4
Loop.1.PID	IntegralTime	Integral Time	54	54	54	54
Loop.1.PID	DerivativeTime	Derivative Time	9	9	9	9
Loop.2.Main	PV	Process Variable	121.79	45.15	15.00	36.38
Loop.2.Main	WorkingSP	Working Setpoint	121.81	61.34	15.00	51.88
Loop.2.PID	ProportionalBan	Proportional Band	110.7	110.7	110.7	110.7
Loop.2.PID	IntegralTime	Integral Time	45	45	45	45
Loop.2.PID	DerivativeTime	Derivative Time	7	7	7	7

User Pages

- Set up custom controller display
- Scrollable list of parameter values
- Display styles include bar graph, numeric and custom messages



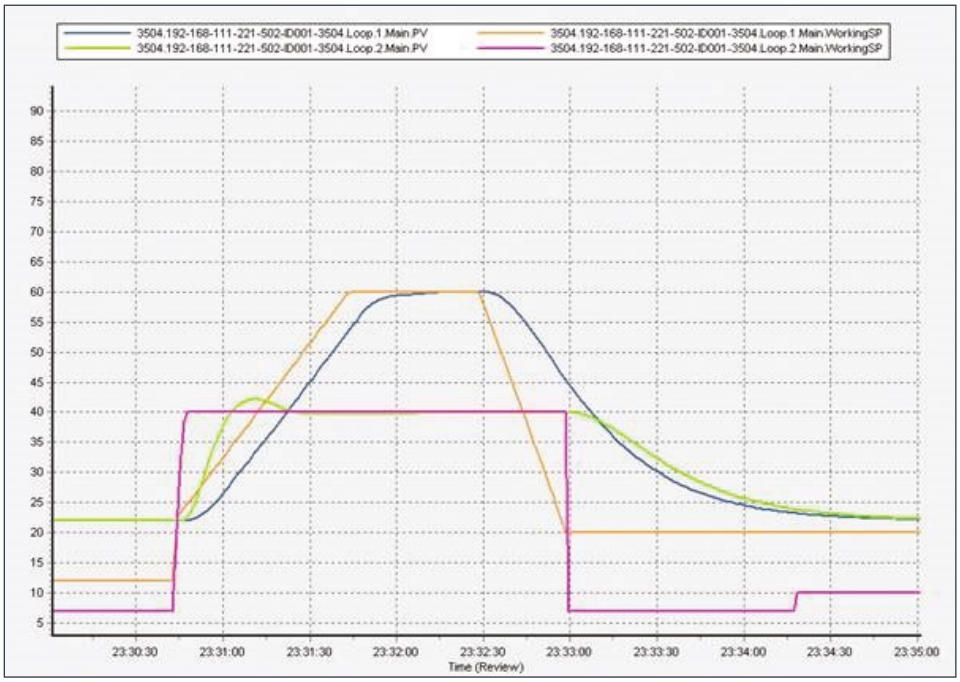
Cloning

- Configurations defined using iTools can be saved to file on a local PC
- Saved configurations can be reloaded into a compatible device

Optional Additional iTools Components

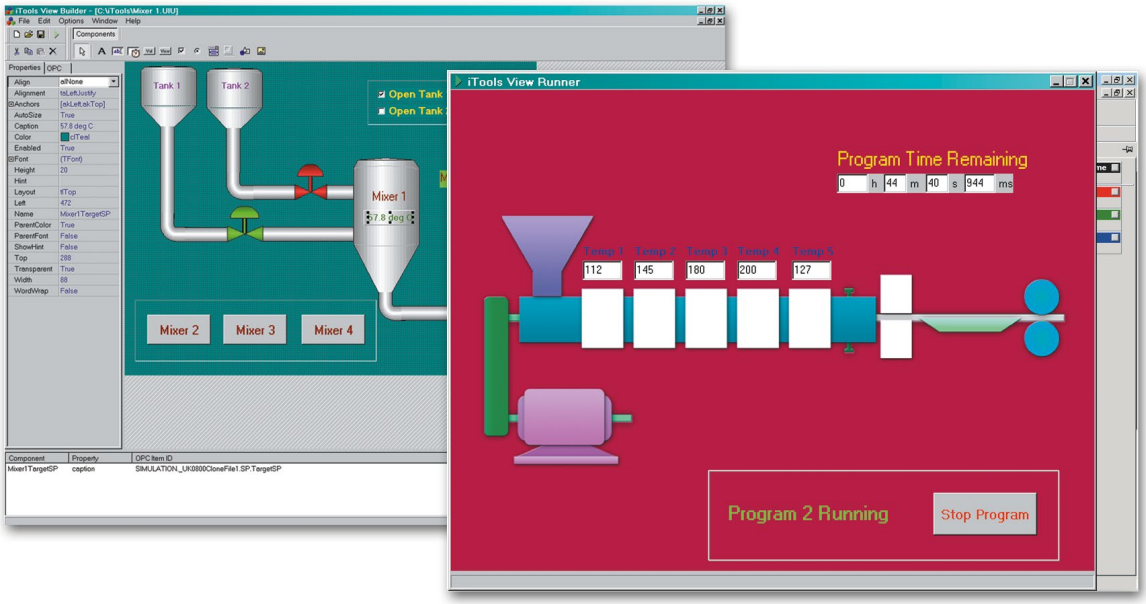
OPC Scope

- An OPC explorer program that can connect to any OPC DA2 server
- Process monitoring
- Trending
- Data logging
- Watch Recipes
- View live data, with a scalable time axis between 1 minute and 1 month
- Historical review mode
- Data can be written onto the PC hard disk in CSV format and can be analyzed e.g., in an Excel Spreadsheet



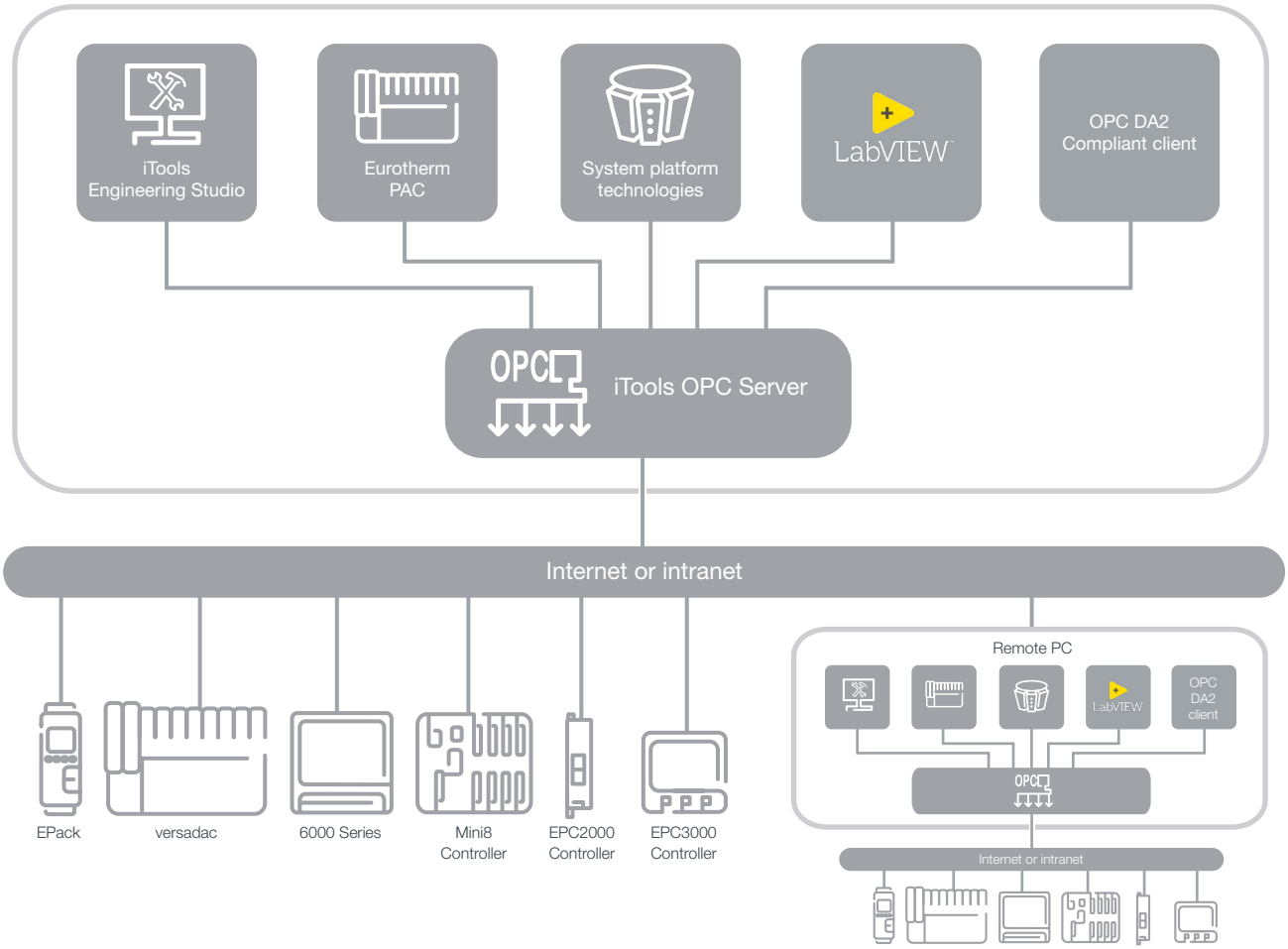
View Builder / View Runner

- Basic SCADA
- Create custom screens
- Import background images
- User buttons to navigate between screens
- Live data monitoring
- Custom user interface to support process commissioning, diagnostics, monitoring and operation



OPC Server

- OPC DA2 Server
  - Compatible with any OPC DA2 client:
    - Eurotherm PAC
    - System platform technologies
    - LabVIEW
- Supports
  - Modbus TCP over Ethernet
  - Modbus RTU Serial
- Modbus TCP to Modbus Serial gateway
  - Remote PC access via Internet/intranet to iTools OPC Server
- Automatic network scanning and device detection
- Can integrate any Modbus RTU/TCP communicating device
- Includes advanced communication diagnostic and monitoring tools



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