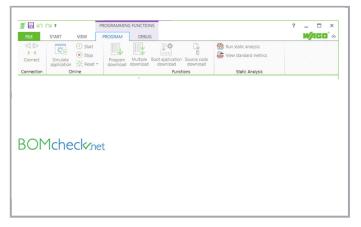
# Veri sayfası | Ürün numarası: 2759-404/1420-1000

e!COCKPIT Profiler; Tek Lisans

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#### Ürün tanımı

The e!COCKPIT Profiler add-on allows programmers and application developers to measure and evaluate the processing times and code coverage of the different blocks in an IEC 61131-3 application at an early stage. This add-on can be seamlessly integrated into the e!COCKPIT Engineering Software and measurement may be performed parallel to the application development in the standard development environment.

#### Advantages:

- Measure both machine code's runtime behavior and code coverage right at the beginning of the development phase
- Detect runtime problems at an early stage
- Identify both time-consuming program parts and unused programming blocks
- Overall and individual measurement of all application blocks
- Identify the code efficiency by comparing historical and actual measurements
- Increase the software quality

#### Main functions:

- Implicit binary code extension during translation, without changing the program code of a project
- Dynamic measurement via code instrumentation at each function entry and exit
- Only during measurement: temporary code enlargement and runtime extension of 10 to 50%
- Measurement start by a variable or by command
- Overview of the measurement results in the development environment

#### Functions:

- Control the runtime measurement via freely selectable Boolean variable
- Measure the runtime of individual programming blocks and function block instances within the "profiler watch list"
- Measure the percentage of missed instructions per block via code coverage
- Measurement results show the time-critical path

#### Setting options:

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# Veri sayfası | Ürün numarası: 2759-404/1420-1000

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- Select the task to be measured
- Select the unit base (tick, milliseconds or microseconds)
- Define the memory size required for the measurement
- Adjust the measurement behavior (next or maximum cycle)
- Select the calls to be measured in the monitoring list
- Select the program blocks to be measured to determine the code coverage

#### The results in detail:

- Percentage of time spent in the call
- Total time spent in call
- Average time of all POU calls in a single cycle
- Minimum and maximum processing time over multiple cycles
- Number of calls
- Time spent for each call
- Standard deviation of average measured time
- Percentage of the iterated code

### Display the results as:

- Summary table
- Call tree (time- or process-oriented)
- Tables
- Watch list

### Veri

# System requirements

Hard disk storage	min. 30 MByte
Other required software	e!COCKPIT version: V1.4.0

### Delivery

License type	Single-user license
Delivery type	Installation file (download)
License type note	Single license allows installation on one computer.
License type note (2)	Internet connection may be required for license activation.

# Ticari Veri

SAP'den ambalaj tipi	0
Country of origin	QU
GTIN	4055143708296
Customs Tariff No.	8888888888

26.11.2019 Sayfa 2/3

# Veri sayfası | Ürün numarası: 2759-404/1420-1000

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# Dosya İndirme Documentation

**System Description** 

Software – General Product Information pdf İndir

485,7 kB

**Engineering-Software** 

e!COCKPIT Add-On

e!COCKPIT Profiler V 1.2.0 URL İndir

Feb 26, 2018 2,8 MB

# **Installation Notes**

Değişikliklere tabidir.

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