

ES584 Version 2.0.0

Release Notes

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1. Introduction

1.1. Definitions and Abbreviations

Term/Abbreviation	Definition
EHI	ETAS Help Desk International
HW	Hardware
FW	Firmware, i.e., the code running on the ETAS HW
KIR	Known Issue Report – For severe Problem Reports which occur after a release, ETAS has introduced the Known Issue Report to inform affected customer immediately. The current Known Issues of former versions can be found on the ETAS website: www.etas.com/kir
PR	Problem Report
SW	Software
HSP	Hardware Service Pack, delivers new FW version for ETAS HW and updates the ETAS hardware
HSP-UT	HSP Update Tool, the user interface for HSP

1.2. User Documentation

The ES584 user's documentation in PDF format can be found on the DVD shipped with the product. The user's guide is also distributed by download from the ETAS home page www.etas.com.

2. Product Definition

2.1. Functions at a glance

The ES584 module is a dual-channel, compact and cost-effective CAN FD and LIN interface.

It connects with a PC or notebook over USB. The module gets power supply by the PC or notebook and no external power supply is needed. Installation and configuration require only minimum effort. The ES584 module records measurement data with high accuracy from its CAN FD and LIN channel. INCA accurately synchronize all ES584 measurement data with signals from other ECUs and measurement modules.

2.2. General Description

2.2.1. System Prerequisites

The following minimum system prerequisites have to be met, valid for the USB driver and ED-EBI (ETAS hardware interface) installation:

Required Hardware	2,0 GHz Dual-Core PC or equivalent 2 GB RAM USB 2.0 DVD-ROM drive Graphics with a resolution of 1280 x 1024, 128 MB RAM
Required Operating System	Windows® 10, Windows Server 2019
Required Free Disk Space	500 MB (not including the size for application data)

The following system prerequisites are recommended:

Required Hardware	3 GHz Quad-Core PC or equivalent 4 GB RAM DVD-ROM drive USB 2.0 (USB C connector) Network adapter Graphics with a resolution of 1280 x 1024, 128 MB RAM
Required Operating System	Windows® 10, Windows® 11
Required Free Disk Space	>2,0 GB

2.2.2. Software Prerequisites

For the use of the ES584 no Add-on installation is needed. The ES584 is integrated in INCA core system.

The ES584.1 is supported as of:

- INCA V7.2.6
- HSP V11.6.0
- ED-EBI V2.15.0

The ES584.2 is fully supported as of:

- INCA V7.5.1
- HSP V14.1.0
- ED-EBI V2.41.0

The ED-EBI package has to be installed separately if INCA is not used.

It is recommended to install the USB driver V2.0.0 and update the ES584.1 firmware to HSP V14.1.0.

Please note: the ES584.2 is backwards compatible to INCA V7.2.6.

2.2.3. Release Test Configuration

Complete release tests for ES584.1 and ES584.2 have been run with INCA V7.5.1 and HSP V14.1.0 under Win 10 using USB driver V2.0.0.

2.2.4. Restrictions

The J2534 interface do not support the CAN FD protocol.

The installation of BOA EBI-IP and BOA ED-EBI package of V2.41.0 is needed for not INCA user. INCA user gets these packages installed with the INCA installation.

2.3. Delivery

The ES584.2 is delivered with a driver DVD including USB driver, documentation, tools, utilities, and further information. All software documentation is available in the Portable Document Format (PDF), which requires Adobe® Reader®.

The USB driver is also distributed with each HSP release. The HSP product is distributed by download from the ETAS home page www.etas.com.

2.3.1. Used 3rd Party Software

Used 3rd party software and related licenses are documented in the file: ES582.2_ES584.2_OSS_Attribution_Document.pdf.

This file can be found on the product DVD under the menu Documentation or in the HSP Update Tool User Interface by clicking the Help – Open Source Software Attributions.

3. Changes

This chapter describes changes with respect to the previous version of ES584.1 V 1.13.0.

3.1. What's New

Introduction of the ES584.2 featuring:

- Support of CAN baud rates up to 8MB enabled by using a SIC transceiver.
- Combined USB A and C connector
- New housing
- New USB driver version 2.0.0 supporting the new features.

3.2. Compatibility to Earlier Releases

The ES584.2 is backwards compatible to INCA V7.2.6. However at least the USB driver version 2.0.0 and HSP V14.1.0 has to be used also with INCA versions earlier than INCA V7.5.1.

The 8 MB feature of the ES584.2 is supported according to this table:

Max baud rate	INCA	HSP	Driver-Version
5 MBaud	from 7.2.6 - 7.5.0	14.1.0	from 2.0.0
8 MBaud	from 7.5.1	14.1.0	from 2.0.0

3.3. Fixed Problems

This section describes the set of fixed problems of the released version of ES584 V2.0.0.

Problem Number	Title
N/A	

3.4. Known Issue Reports

If a product issue develops, ETAS will prepare a Known Issue Report (KIR) and post it on the internet. The report includes information regarding the technical impact and status of the solution. Therefore you must check the KIR applicable to this ETAS product version and follow the relevant instructions prior to operation of the product.

The Known Issue Report (KIR) can be found here: www.etas.com/kir

3.5. Known Issues

This section describes the set of known problems of the released version of ES584 V 2.0.0.

3.5.1. Software related Items

Problem Number	Title
N/A	

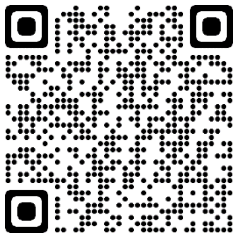
3.5.2. Hardware related Items

Problem Number	Title
N/A	

4. Contact Information

4.1. Technical Support

For details of your local sales office as well as your local technical support team and product hotlines, take a look at the website: www.etas.com/hotlines



4.2. ETAS Headquarters

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