



Bundesamt für Sicherheit in der Informationstechnik
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3950 RCA Blvd, Unit 5001
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**Betreff: Zertifizierung des Produkts
HID Guardian Module/100/200/300**

Bezug: Ihr Antrag auf Zertifizierung nach Technischen Richtlinien
vom 05. Dezember 2022

Anlagen: Zertifikat nach Technischen Richtlinien
Konformitätsreport

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AZ: SZ25-720-07-00
Datum 22. September 2023
Seite 1 von 2

KONFORMITÄTSBESCHEID

Für das Produkt HID Guardian Module/100/200/300 der HID Global Corporation wird das Zertifikat nach Technischen Richtlinien BSI-K-TR-0566-2023 erteilt.

Das Zertifikat nach Technischen Richtlinien BSI-K-TR-0566-2023 ist gültig bis zum 21. September 2028.

Hinsichtlich der Kosten des Zertifizierungsverfahrens ergeht ein gesonderter Kostenbescheid.

Begründung:

Sie sind Hersteller des Produkts HID Guardian Module/100/200/300. Mit Antrag vom 05. Dezember 2022, hier vollständig eingegangen am 05. Dezember 2022, haben Sie beim BSI für dieses Produkt eine Zertifizierung nach Technischen Richtlinien beantragt.

Beantragt wurde die Prüfung der Konformität zur Technischen Richtlinie BSI TR-03121 – Biometrie in hoheitlichen Anwendungen (Biometrics for Public Sector Applications), Funktionsmodul FM AH-FP-OPT.

Die Konformitätsprüfung wurde von der vom BSI gemäß DIN ISO/IEC 17025 anerkannten Prüfstelle Fraunhofer Institut für Angewandte Optik und Feinmechanik (IOF), Abteilung Optische Systeme, Albert-Einstein-Str. 7, 07745 Jena, Deutschland durchgeführt.

Die Durchführung der Konformitätsprüfung wurde durch die Zertifizierungsstelle des BSI überwacht.

Auf der Grundlage des von der Prüfstelle vorgelegten Prüfberichts wurden das Zertifikat nach Technischen Richtlinien und der Konformitätsreport erstellt.

Die Ergebnisse des Zertifizierungsverfahrens sind im Detail im beiliegenden Konformitätsreport

enthalten.

Ihrem Antrag auf Erteilung eines Zertifikats nach Technischen Richtlinien konnte entsprochen und das Zertifizierungsverfahren mit heutigem Datum erfolgreich abgeschlossen werden.

Das Zertifikat ist gemäß § 12 Abs. 2 BSIZertV (BSI-Zertifizierungs- und Anerkennungsverordnung vom 17. Dezember 2014, BGBl. I S. 2231) zu befristen. Die Geltungsdauer eines Zertifikats nach der Technischen Richtlinie BSI TR-03121 beträgt fünf Jahre ab Erteilungsdatum. Das Zertifikat BSI-K-TR-0566-2023 ist dementsprechend gültig bis zum 21. September 2028.

Hinweise:

Das Zertifikat gilt nur im Zusammenhang mit dem vollständigen Konformitätsreport und ausschließlich für die geprüfte und in Tabelle 1 des Konformitätsreports angegebene Version des Produkts.

Bei Änderungen, Weiterentwicklungen oder Ergänzungen der Komponenten des Produkts um zusätzliche Versionen hat das BSI, ggf. unter Einbeziehung der Prüfstelle, zu beurteilen, ob das Zertifikat entsprechend erweitert werden kann oder ob eine erneute Konformitätsprüfung notwendig ist.

Das Zertifikat ist keine Empfehlung des genannten Produkts durch das Bundesamt für Sicherheit in der Informationstechnik. Eine Gewährleistung für das genannte Produkt durch das Bundesamt für Sicherheit in der Informationstechnik ist weder enthalten noch zum Ausdruck gebracht.

Darüber hinaus gelten die im zugehörigen Konformitätsreport unter Punkt 3 aufgeführten "Hinweise für den Antragsteller".

Das Zertifizierungsergebnis, das Zertifikat nach Technischen Richtlinien sowie der zugehörige Konformitätsreport werden durch das BSI veröffentlicht.

Rechtsbehelfsbelehrung:

Gegen diesen Bescheid kann innerhalb eines Monats nach Bekanntgabe Widerspruch erhoben werden. Der Widerspruch ist schriftlich oder zur Niederschrift beim Bundesamt für Sicherheit in der Informationstechnik, Godesberger Allee 185-189, 53175 Bonn einzulegen.

Im Auftrag

Amandola



Certificate

according to Technical Guidelines of the Federal Office for Information Security

BSI-K-TR-0566-2023

HID Guardian Module / 100 / 200 / 300

from HID Global Corporation

Conformity to: **BSI TR-03121** – Biometrics for Public Sector Applications
Function Module FM AH-FP-OPT

Valid until: 21 September 2028

The conformity of the product HID Guardian Module/100/200/300 by HID Global Corporation to the Technical Guideline BSI TR-03121 has been evaluated by an evaluation laboratory recognized according to DIN ISO/IEC 17025 and was confirmed by the German Federal Office for Information Security (BSI).

The following Test Standards were applied for the performance of the conformity evaluation:

BSI TR-03121 – Biometrics for Public Sector Applications

Part 3: Application Profiles, Function Modules and Processes, Version 5.2.1 & 5.3

BSI TR-03122 – Conformance Test Specification for Technical Guideline BSI TR-03121 –
Biometrics for Public Sector Applications

Part 3: Test Cases for Function Modules and Processes, Version 5.2.1 & 5.3

This certificate is only valid in conjunction with the notification of conformity BSI-K-TR-0566-2023 and the complete conformity report. The validity is solely restricted to the evaluated version or configuration of the product specified in the conformity report.

The certification procedure was conducted in accordance with the provisions of the BSI scheme for Certification according to Technical Guidelines.

This certificate is not an endorsement of the IT product by the Federal Office for Information Security. No warranty of the product by the Federal Office for Information Security is either expressed or implied.

Bonn, 22 September 2023

For the Federal Office for Information Security

Sandro Amendola
Director





Federal Office
for Information Security

Conformity Report

BSI-K-TR-0566-2023

HID Guardian Module / 100 / 200 / 300

from

HID Global Corporation

3950 RCA Blvd, Unit 5001, Palm Beach Gardens, FL 33410, USA

Federal Office for Information Security
(Bundesamt für Sicherheit in der Informationstechnik)
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1 Preliminary Remarks

The Certification of IT products or systems – in the following referred to as target of evaluation (TOE) – according to Technical Guidelines of BSI is carried out on the instigation of the manufacturer, hereinafter called the applicant.

Technical Guidelines developed and published by the Federal Office for Information Security (Bundesamt für Sicherheit in der Informationstechnik, BSI) provide a basis for conformity evaluations. Conformity evaluations ensure that a TOE fulfills the technical, functional or qualitative requirements specified by a Technical Guideline.

Conformity evaluations are carried out by evaluation facilities recognized by BSI according to DIN ISO/IEC 17025 or by “ISO 27001 auf der Basis von IT-Grundschutz” certified auditors according to the test specifications provided by the respective Technical Guideline.

Every certification procedure according to Technical Guidelines is supervised by BSI to ensure uniform proceeding, uniform interpretation of the criteria and uniform ratings.

The results of each certification procedure according to Technical Guidelines are summarized in a concluding certification report.

The Certificate issued at the end of a successful certification procedure according to Technical Guidelines is not an endorsement of the TOE by BSI. No warranty of the specified TOE by the BSI is either expressed or implied.

2 Fundamentals of the Certification Procedure

The Federal Office for Information Security conducted the procedure according to the criteria laid down in the following:

- BSI-Act – Act on the Federal Office for Information Security (BSI-Gesetz, BSIG) of 14 August 2009, Bundesgesetzblatt Part I No. 54, p. 2821, last amendment by article 13 of the law of 20 November 2019 (BGBl I p. 1626), [BSIG]
- BSI-Certification- and Recognition Regulation – Regulation on the Procedure for Issuance of Securitycertificates recognition by the Federal Office for Information Security (BSIZertV), of 17 December 2014, Bundesgesetzblatt Part I No. 61, p. 2231, [BSIZertV]
- Special Regulation of Fees of the Federal Ministry of the Interior for individually attributable public services within its jurisdiction (Besondere Gebührenverordnung BMI, BMIBGebV) of 02 September 2019, Bundesgesetzblatt Part I, p. 1359, last amendment by article 1 of the regulation of 10 September 2021 (BGBl I p. 4429), [BMIBGebV]
- Procedural description for the certification of products, processes and services (Verfahrensbeschreibung zur Zertifizierung von Produkten, Prozessen und Dienstleistungen), version 3.2 of 28 October 2022, [VB-Produkte.PD]
- Certification of products, processes, services: Program Technical Guidelines (Zertifizierung von Produkten, Prozessen und Dienstleistungen: Programm Technische Richtlinien), version 2.2 of 31 January 2023, [TR-Produkte.PD]

3 Information for the Applicant

1. The certification according to Technical Guideline issued by BSI is only valid in conjunction with the complete conformity report BSI-K-TR-0566-2023.
2. The validity of the certification only covers the evaluated version(s) of the TOE. All certified components of the TOE and their version(s) are specified in table 1 of this conformity report.
3. The validity of a certification according to Technical Guideline BSI TR-03121 is five years.
4. In case of revisions, enhancements or the intended amendment of additional versions to the certified components of the TOE, BSI has to decide (if necessary involving the evaluation laboratory) if another conformity evaluation is required.
5. Only versions of the TOE that comply with the notification of conformity may be denoted or advertised as „Certified by BSI“. On detection of violation the applicant will be admonished by BSI. In addition BSI has the right to remove the entry of the concerned product from the list of products certified according to Technical Guidelines published on the BSI website.
6. At any time BSI has the right to call on the applicant to provide a sample of the TOE from the ongoing production series that complies to the notification of conformity for inspection. If the applicant does not fulfill the request within a set period of time, BSI is entitled to remove the entry of the concerned TOE from the list of products certified according to Technical Guidelines published on the BSI website.

4 Application

For the TOE named in chapter 7 the manufacturer

HID Global Corporation

3950 RCA Blvd, Unit 5001

Palm Beach Gardens, FL 33410

USA

Point of contact:

Richard Georgerian (richard.georgerian@hidglobal.com)

applied for a re-certification on 05 December 2022 at BSI (date of receipt at BSI: 05 December 2022).

Previous certifications where issued with the certification IDs:

BSI-K-TR-0261-2018

5 Area of Evaluation & Test Specification

The applicant applied for certification according to the Technical Guideline:

BSI TR-03121 – Biometrie in hoheitlichen Anwendungen
(*Biometrics for Public Sector Applications, TR-Biometrie*)

The conformity evaluation according to the Technical Guideline BSI TR-03130 was performed in the following area of evaluation (AOE):

BSI TR-03121 – Functional Testing (Hardware Modules) – FM AH-FP-OPT

The following test specifications were applied for the conformity evaluation in the area of evaluation specified above:

BSI TR-03121 – Biometrics for Public Sector Applications
Part 3: Application Profiles, Function Modules and Processes, Version 5.2.1 & 5.3
[BSI TR-03121-3]

BSI TR-03122 – Conformance Test Specification for Technical Guideline BSI TR-03121
– Biometrics for Public Sector Applications
Part 3: Test Cases for Function Modules and Processes, Version 5.2.1 & 5.3
[BSI TR-03122-3]

6 Evaluation Laboratory

The following evaluation laboratory recognized according to DIN ISO/IEC 17025 by BSI was commissioned with the performance of the conformity evaluation:

**Fraunhofer Institut für
Angewandte Optik und Feinmechanik
Abteilung Optische Systeme**

Albert-Einstein-Str. 7

07745 Jena

GERMANY

Homepage: www.iof.fraunhofer.de

7 Target of Evaluation

7.1 Identification of the TOE

The following product was defined as the target of evaluation:

HID Guardian Module / 100 / 200 / 300

The TOE HID Guardian Module is an OEM module of an optical fingerprint sensor (4 finger) for integration into e. g. self service terminals, eGates or workstations. The models HID Guardian 100 / 200 / 300 fingerprint sensors provide USB connectivity as well as graphical user respectively touch interfaces.

7.2 Components of the TOE

The components of the TOE and their certified versions are specified in table 1.

Table 1: Components of the TOE

Nr.	Description	Version
1	Guardian Module	P/N 900437, HW Rev. E, Firmware v131.61
2	Guardian 100	P/N 900461, HW Rev. B, Firmware v201.01
		P/N 900461, HW Rev. C, Firmware v201.01
		P/N 900461, HW Rev. D, Firmware v201.01
		P/N 900461, HW Rev. E, Firmware v201.01
3	Guardian 200	P/N 900453, HW Rev. F, Firmware v200.28
		P/N 900453, HW Rev. G, Firmware v200.28
		P/N 900453, HW Rev. H, Firmware v200.28
		P/N 900453, HW Rev. J, Firmware v200.28
		P/N 900453, HW Rev. K, Firmware v200.28
4	Guardian 300	P/N 900452, HW Rev. C, Firmware v300.04
		P/N 900452, HW Rev. D, Firmware v300.04
		P/N 900452, HW Rev. D, Firmware v300.05

7.3 Implementation Conformance Statement

The implementation conformance statement (ICS) contains all information about the TOE required for the performance of the conformity evaluation in the relevant AOE and provides an overview of the TOE's functionality and electronic security mechanisms.

The scope of the conformity evaluation is derived from the function modules according to [BSI TR-03121-3] implemented by the TOE – in this case:

FM AH-FP-OPT

8 Conformity Evaluation

The conformity evaluation of the TOE was performed by the evaluation laboratory in the period from June to August 2023.

The relevant test cases according [BSI TR-03122-3] were only performed once for the HID Guardian Module as HID Guardian 100 / 200 / 300 are based on identical components for the fingerprint image acquisition and thus the test results achieved during the conformity evaluation are also representative for these models.

The test report provided by the evaluation laboratory contains detailed descriptions of all tests performed during the conformity evaluation as well as the expected and achieved result for each test case.

Table 2 contains a summary of the achieved results of the conformity evaluation.

Table 2: Summary of test results

Testcase	Verdict
Size of Capturing Area	Pass
Grey Scale Linearity	Pass
Resolution	Pass
Geometrical Accuracy	Pass
Contrast Transfer Function	Pass
Signal-to-Noise Ratio	Pass
Grey-Level Uniformity	Pass
Grey Scale Range of Fingerprint Images	Pass

9 Result of the Conformity Evaluation

The complete results of the conformity evaluation are contained in the following test report and its appendices:

Test Report for fingerprint sensor testing according to BSI TR-03121	
Procedure ID	BSI-K-TR-0566
Version	1.0
Creation Date	16.08.2023
TOE	HID Guardian Module ¹

The completeness and consistency of the test report was verified and confirmed by BSI.

The results of the conformity evaluation can be summarized as follows:

- The result of all relevant test cases performed during the conformity evaluation according to [BSI TR-03122-3] was „Pass“ (see table 2).

The achieved result of the conformity evaluation is: Pass

¹ The results of the conformity evaluation of HID Guardian Module are also representative for HID Guardian 100/200/300 models listed in table 1.

10 Result of the Certification Procedure

The conformity of the TOE according to the Technical Guideline BSI TR-03121 is confirmed by the Federal Office for Information Security for the examined areas of evaluation with the issuance of the notification of conformity BSI-K-TR-0566-2023 of 22 September 2023.

The certificate according to Technical Guideline is valid until 21 September 2028.

Bibliography

- BSIG BSI-Act – Act on the Federal Office for Information Security (BSI-Gesetz, BSIG) of 14 August 2009, Bundesgesetzblatt Part I No. 54, p. 2821, last amendment by article 13 of the law of 20 November 2019 (BGBl I p. 1626)
- BSIZertV BSI-Certification- and Recognition Regulation – Regulation on the Procedure for Issuance of Securitycertificates recognition by the Federal Office for Information Security (BSIZertV), of 17 December 2014, Bundesgesetzblatt Part I No. 61, p. 2231
- BMIBGebV Special Regulation of Fees of the Federal Ministry of the Interior for individually attributable public services within its jurisdiction (Besondere Gebührenverordnung BMI, BMIBGebV) of 02 September 2019, Bundesgesetzblatt Part I, p. 1359
- VB-Produkte.PD Procedural description for the certification of products, processes and services (Verfahrensbeschreibung zur Zertifizierung von Produkten, Prozessen und Dienstleistungen), version 3.2 of 28 October 2022
- TR-Produkte.PD Certification of products, processes, services: Program Technical Guidelines (Zertifizierung von Produkten, Prozessen und Dienstleistungen: Programm Technische Richtlinien), version 2.2 of 31 Januar 2023
- BSI TR-03121-3 BSI TR-03121 – Biometrics for Public Sector Applications, Part 3: Application Profiles and Function Modules, Version 5.2.1 & 5.3
- BSI TR-03122-3 BSI TR-03122 – Conformance Test Specification for Technical Guideline BSI TR-03121 – Biometrics for Public Sector ApplicationsPart 3: Test Cases for Function Modules, Version 5.2.1 & 5.3



Confirmation of Receipt

Herewith I confirm the receipt of the notification of conformity, the certificate and the conformity report issued on 22 September 2023 by the Federal Office for Information Security, Germany for the product „HID Guardian Module/100/200/300“ under the certification ID BSI-K-TR-0566-2023.

Place, Date

Signature, Company Stamp

Please return to:

Bundesamt für Sicherheit in der Informationstechnik
Referat SZ 25
Postfach 20 03 63
53133 Bonn
GERMANY

UST-ID/VAT-No: DE 811329482

KONTOVERBINDUNG: Deutsche Bundesbank Filiale Saarbrücken, Konto: 590 010 20, BLZ: 590 000 00,
IBAN: DE8159000000059001020, BIC: MARKDEF1590



Remarks on the Waiver of Appeal

You have the right to appeal against the notification of conformity concerning the certification procedure BSI-K-TR-0566-2023 within a period of a month. After this period the notification will become effective. If you sign the waiver stated below the attached notification of conformity will immediately become effective.

Please return the signed waiver to the following address:

Bundesamt für Sicherheit in der Informationstechnik
Referat SZ 25
Postfach 20 03 63
53133 Bonn
GERMANY

Waiver of Appeal

Herewith I renounce to appeal against the notification conformity of 22 September 2023 concerning the certification procedure BSI-K-TR-0566-2023 before the expiration of the month period stipulated, so that the notification will immediately become effective.

Place, Date

Signature, Company Stamp