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EU-Type Examination Certificate

according to Annex III of the Radio Equipment Directive 2014/53/EU

Eurofins Product Service GmbH

EU Identification Number **0681**

Bundesnetzagentur

BNetzA-bS-02/51-53

Certificate Number:	**Z2M22509-0089-V01**
Manufacturer:	**GigaDevice Semiconductor Inc.** **Building 8, Floors 1 to 5. No. 101, No. 9 Fenghao East Road,** **Haidian District, 100010 Beijing** **China**
Type / Model name:	**GD32VW553-MINI-IMK6** **complete model list see page 2**
Batch / serial number:	**-/-**
Brand Name:	**GigaDevice**
Product Description:	**Wi-Fi 6/BLE 5.2 module**

Verification of the technical design of the radio equipment according to the following essential requirements set out in article 3 of the RED 2014/53/EU:

Article 3.1 a	**not assessed**
Article 3.1 b	**not assessed**
Article 3.2	**not assessed**
Article 3.3 d	**compliant**
Article 3.3 e	**not assessed**
Article 3.3 f	**not assessed**
Article 3.3 g	**not applicable**
Article 3.4	**not applicable**

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Model list

#	Model	Comment
1	GD32VW553-MINI- IMK6	HW version: GD32VW553-MINI-IMK6-A SW version: 1.0.3
2	GD32VW553-MINI-IMK7	HW version: GD32VW553-MINI-IMK7-A SW version: 1.0.3
3	GD32VW553-MINI-EMK7	HW version: GD32VW553-MINI-EMK7-A SW version: 1.0.3
4	GD32VW553-MINI- EMK6	HW version: GD32VW553-MINI-EMK6-A SW version: 1.0.3
5	GD32VW553-UNIFI-IMH7	HW version: GD32VW553-UNIFI-IMH7-A SW version: 1.0.3
6	GD32VW553-UNIFI-EMH7	HW version: GD32VW553- UNIFI-EMH7-A SW version: 1.0.3
7	GD32VW553-UNIFI-IMH6	HW version: GD32VW553- UNIFI-IMH6-A SW version: 1.0.3
8	GD32VW553-UNIFI-EMH6	HW version: GD32VW553- UNIFI-EMH6-A SW version: 1.0.3
9	GD32VW553-MD1-IMH7	HW version: GD32VW553-MD1-IMH7-A SW version: 1.0.3
10	GD32VW553-MD1-EMH7	HW version: GD32VW553- MD1-EMH7-A SW version: 1.0.3
11	GD32VW553-MD1-IMH6	HW version: GD32VW553- MD1-IMH6-A SW version: 1.0.3
12	GD32VW553-MD1-EMH6	HW version: GD32VW553- MD1-EMH6-A SW version: 1.0.3

Conditions of validity of this certificate are:

The type shall continuously meet the requirements drawn up in the evaluation report. This report records the activities undertaken by the Notified Body in accordance with the examination of the technical documentation and supporting evidence of Annex III Module B.

The manufacturer is according to Annex III Module C obliged to take all measures necessary to ensure that the manufacturing process and its monitoring guarantee the conformity of the radio equipment with the approved type described in the EU-Type Examination Certificate and with the requirements of this directive that apply to it.

The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-Type Examination Certificate and meets the applicable requirements of the directive in accordance with articles 19 and 20.

The manufacturer shall fill out a written EU declaration of conformity for each radio equipment type and keep it/them at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU Declaration of Conformity (DoC) shall identify the radio equipment type for which it has been drawn up. A copy of the EU Declaration of Conformity (DoC) shall be made available to the relevant authorities upon request.

The Notified Body 0681 will monitor the regulations and inform the manufacturer if there are any relevant changes in the regulations require a re-evaluation of the type. The manufacturer is obliged to inform the Notified Body if there are any modifications to the type which can influence the compliance with the essential requirements laid down in Article 3 of the RED 2014/53/EU.

The date of applicability for Articles 3.3 d/e/f starts from 1 August 2025.

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Conclusion of the EU-Type Examination:

Herewith, we attest that the designated type above is in compliance with the essential requirements of the Radio Equipment Directive 2014/53/EU.

This Type Examination Certificate is valid until: 2030-10-08

EUROFINS PRODUCT SERVICE GMBH · NOTIFIED BODY ·

Reichenwalde, 2025-10-09

Place, Date of Issue

Signed by Nic Johnson
Notified Body 0681

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A n n e x 1 : References and Technical Specification

Revision:	1
Date of evaluation:	2025-10-09
Registration Number:	Z2M22509-0089-V01
Manufacturer:	GigaDevice Semiconductor Inc. Building 8, Floors 1 to 5. No. 101, No. 9 Fenghao East Road, Haidian District, 100010 Beijing China
Type / Model name:	GD32VW553-MINI-IMK6
Batch / serial number:	-/-
Brand Name:	GigaDevice
Product Description:	Wi-Fi 6/BLE 5.2 module
Hardware Version:	GD32VW553-MINI-IMK6-A
Software Version:	1.0.3

Restrictions:

Note	Required information regarding frequency ranges and maximum output power must be / must have been evaluated during Article 3.2 assessment.
Cyber security	The subject of application was assessed according to the following essential requirements: Article 3.3 d No Harm to Network. Other technical details which are not relevant for the Cyber security features are not listed
Restriction(s)	This device has been evaluated as a module. Many of the requirements from EN 18031-1 are listed as "not applicable" because they will be dependent on the software and final application in the host integration. When integrated in a host, these clauses must be evaluated to confirm compliance. In addition, Article 3.3(e) and 3.3(f) of the Radio Equipment Directive may also become applicable and would need to be evaluated.

Reference for system evaluation of the essential requirements RED 2014/53/EU Article 3

Art.	Essential requirement	Standard reference incl. report number	
3.1 a	Electrical Safety	not assessed	
3.1 a	Health	not assessed	
3.1 b	EMC	not assessed	
3.2	RF Radio Spectrum Efficiency	not assessed	
3.3 d	No Harm to Network	EN 18031-1:2024	EFTA25060292-IE-01-P1, dated 2025-08-11
3.3 e	Privacy of the User	not assessed	
3.3 f	Protection from Fraud	not assessed	
3.3 g	Access to Emergency Service (R&TTED)	not applicable	
3.3 g	Access to Emergency Service (Galileo)	not applicable	
3.4	Common Charger	not applicable	

Submitted technical documentation

Reference to RED	Document type	Reference of submitted document

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Annex III 3(a)Annex III 6, A, Annex VI 2	Application Form I	NB 0681 application form, signed 2025-08-21
Annex III (3b)	Authorization PoA	Authorization letter RED
Articles 10(7), 19, 20; Annex V (a)(i)Articles 10(2), 10(10) geographical restriction	ID Label Sample	GD32VW553-MD1-EMH6 product label, CE GD32VW553-MD1-EMH7 product label, CE GD32VW553-MD1-IMH6 product label, CE GD32VW553-MD1-IMH7 product label, CE GD32VW553-MINI-EMK6 product label, CE GD32VW553-MINI-EMK7 product label, CE GD32VW553-MINI-IMK6 product label, CE GD32VW553-MINI-IMK7 product label, CE GD32VW553-UNIFI-EMH6 product label, CE GD32VW553-UNIFI-EMH7 product label, CE GD32VW553-UNIFI-IMH6 product label, CE GD32VW553-UNIFI-IMH7 product label, CE
Articles 10(7), 19, 20; Annex V (a)(i) Articles 10(2), 10(10)	ID Label Location	GD32VW553-MD1-EMH6 Label placement GD32VW553-MD1-EMH7 Label placement GD32VW553-MD1-IMH6 Label placement GD32VW553-MD1-IMH7 Label placement GD32VW553-MINI-EMK6 Label placement GD32VW553-MINI-EMK7 Label placement GD32VW553-MINI-IMK6 Label placement GD32VW553-MINI-IMK7 Label placement GD32VW553-UNIFI-EMH6 Label placement GD32VW553-UNIFI-EMH7 Label placement GD32VW553-UNIFI-IMH6 Label placement GD32VW553-UNIFI-IMH7 Label placement
Annex V (a)(i)	External Photos	GD32VW553-MD1-EMH6 External photos GD32VW553-MD1-EMH7 External photos GD32VW553-MD1-IMH6 External photos GD32VW553-MD1-IMH7 External photos GD32VW553-MINI-EMK6 External photos GD32VW553-MINI-EMK7 External photos GD32VW553-MINI-IMK6 External photos GD32VW553-MINI-IMK7 External photos GD32VW553-UNIFI-EMH6 External photos GD32VW553-UNIFI-EMH7 External photos GD32VW553-UNIFI-IMH6 External photos GD32VW553-UNIFI-IMH7 External photos
Annex V (a)(i)	Internal Photos	GD32VW553-MD1-EMH6 Internal photos GD32VW553-MD1-EMH7 Internal photos GD32VW553-MD1-IMH6 Internal photos GD32VW553-MD1-IMH7 Internal photos GD32VW553-MINI-EMK6 Internal photos GD32VW553-MINI-EMK7 Internal photos GD32VW553-MINI-IMK6 Internal photos GD32VW553-MINI-IMK7 Internal photos GD32VW553-UNIFI-EMH6 Internal photos GD32VW553-UNIFI-EMH7 Internal photos GD32VW553-UNIFI-IMH6 Internal photos GD32VW553-UNIFI-IMH7 Internal photos
Article 17(1); Annex V (c)(g)	Operational Description	GD32VW553-MD1-EMH6 Operational Description GD32VW553-MD1-EMH7 Operational Description GD32VW553-MD1-IMH6 Operational Description GD32VW553-MD1-IMH7 Operational Description GD32VW553-MINI-EMK6 Operational Description GD32VW553-MINI-EMK7 Operational Description GD32VW553-MINI-IMK6 Operational Description GD32VW553-MINI-IMK7 Operational Description GD32VW553-UNIFI-EMH6 Operational Description GD32VW553-UNIFI-EMH7 Operational Description GD32VW553-UNIFI-IMH6 Operational Description GD32VW553-UNIFI-IMH7 Operational Description
Annex V (b)	Block Diagram	GD32VW553-MD1-EMH6 Block diagram GD32VW553-MD1-EMH7 Block diagram GD32VW553-MD1-IMH6 Block diagram GD32VW553-MD1-IMH7 Block diagram GD32VW553-MINI-EMK6 Block diagram GD32VW553-MINI-EMK7 Block diagram GD32VW553-MINI-IMK6 Block diagram GD32VW553-MINI-IMK7 Block diagram GD32VW553-UNIFI-EMH6 Block diagram GD32VW553-UNIFI-EMH7 Block diagram GD32VW553-UNIFI-IMH6 Block diagram GD32VW553-UNIFI-IMH7 Block diagram

Annex V (b)	Schematics	GD32VW553-MD1-EMH6 Schematics GD32VW553-MD1-EMH7 Schematics GD32VW553-MD1-IMH6 Schematics GD32VW553-MD1-IMH7 Schematics GD32VW553-MINI-EMK6 Schematics GD32VW553-MINI-EMK7 Schematics GD32VW553-MINI-IMK6 Schematics GD32VW553-MINI-IMK7 Schematics GD32VW553-UNIFI-EMH6 Schematics GD32VW553-UNIFI-EMH7 Schematics GD32VW553-UNIFI-IMH6 Schematics GD32VW553-UNIFI-IMH7 Schematics
Article 10(8); Annex V (a)(ii)	Users Manual	GD32VW553-MD1-EMH6 User manual GD32VW553-MD1-EMH7 User manual GD32VW553-MD1-IMH6 User manual GD32VW553-MD1-IMH7 User manual GD32VW553-MINI-EMK6 User manual GD32VW553-MINI-EMK7 User manual GD32VW553-MINI-IMK6 User manual GD32VW553-MINI-IMK7 User manual GD32VW553-UNIFI-EMH6 User manual GD32VW553-UNIFI-EMH7 User manual GD32VW553-UNIFI-IMH6 User manual GD32VW553-UNIFI-IMH7 User manual
Annex V (b)	Parts List	GD32VW553-MD1-EMH6 Parts list GD32VW553-MD1-EMH7 Parts list GD32VW553-MD1-IMH6 Parts list GD32VW553-MD1-IMH7 Parts list GD32VW553-MINI-EMK6 Parts list GD32VW553-MINI-EMK7 Parts list GD32VW553-MINI-IMK6 Parts list GD32VW553-MINI-IMK7 Parts list GD32VW553-UNIFI-EMH6 Parts list GD32VW553-UNIFI-EMH7 Parts list GD32VW553-UNIFI-IMH6 Parts list GD32VW553-UNIFI-IMH7 Parts list
	Family Declaration	GD32VW553-MINI-IMK6 Model differences letter
Annex V (b)	PCB Layout	GD32VW553-MD1-EMH6 PCB layout GD32VW553-MD1-EMH7 PCB layout GD32VW553-MD1-IMH6 PCB layout GD32VW553-MD1-IMH7 PCB layout GD32VW553-MINI-EMK6 PCB layout GD32VW553-MINI-EMK7 PCB layout GD32VW553-MINI-IMK6 PCB layout GD32VW553-MINI-IMK7 PCB layout GD32VW553-UNIFI-EMH6 PCB layout GD32VW553-UNIFI-EMH7 PCB layout GD32VW553-UNIFI-IMH6 PCB layout GD32VW553-UNIFI-IMH7 PCB layout
Articles 10(9), 18; Annex V (e); Annex VI, VII	Manufacturer's DoC	GD32VW553-MD1-EMH6 CE DOC_RED draft GD32VW553-MD1-EMH7 CE DOC_RED draft GD32VW553-MD1-IMH6 CE DOC_RED draft GD32VW553-MD1-IMH7 CE DOC_RED draft GD32VW553-MINI-EMK6 CE DOC_RED draft GD32VW553-MINI-EMK7 CE DOC_RED draft GD32VW553-MINI-IMK6 CE DOC_RED draft GD32VW553-MINI-IMK7 CE DOC_RED draft GD32VW553-UNIFI-EMH6 CE DOC_RED draft GD32VW553-UNIFI-EMH7 CE DOC_RED draft GD32VW553-UNIFI-IMH6 CE DOC_RED draft GD32VW553-UNIFI-IMH7 CE DOC_RED draft
Annex III (3c)	Assessment of risk(s)	GD32VW553-MINI-IMK6 Assessment of risk
Annex V (a)(ii); Annex VI (8)	Software /Firmware Statement	GD32VW553-MINI-IMK6 SW Statement RED, signed 2025-08-21