



CERTIFICATE *of* COMPLIANCE



[Certificate Validation](#)

CERTIFICATE OF COMPLIANCE

R210-222938 / 19 Mar 2024 / Rev A

for Radio Equipment in JAPAN

MiCOM Labs Inc. declares, on the basis of the assessment of the tests and the technical documentation provided by the applicant that the following product complies with the requirements of the above noted regulator.

Product Name:

Arduino Nano ESP32 with headers, Arduino Nano ESP32

Approval Holder Name:

Arduino S.r.l.



Gordon Hurst, Product Certifier

This Certificate is Issued under the Authority of:

MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA

Registered Certification Body ID Number: 210



CERTIFICATE OF

R210-222938 / 19 Mar 2024 / Rev A

for Radio Equipment in JAPAN

Product Name:

Arduino Nano ESP32 with headers, Arduino Nano ESP32

Product Model Numbers: **ABX00083, ABX00092**

Brand Name: **Arduino**

Approval Holder: **Arduino S.r.l., Via Andrea Appiani, 25, 20900 MONZA, Italy**

Test Lab: **Shenzhen Huatongwei International Inspection Co., Ltd., Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, China**

Standards

Group

Article 2 paragraph 1 item (19)

Article 2 paragraph 1 item (19)-2

Description of Apparatus

Company Name

Arduino S.r.l.

Certification No.

R210-222938

Issue Date / Rev

19 Mar 2024 / Rev A

Equipment Description

Arduino Nano ESP32 with headers, Arduino Nano ESP32

Brand Name

Arduino

Hardware Version

0.3

Firmware Version

2.0.13

Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
Bluetooth LE	2402MHz	2480MHz	1M24F1D	0.60mW	Conducted	--	--	--
Bluetooth LE	2402MHz	2480MHz	2M14F1D	0.60mW	Conducted	--	--	--
802.11b	2412MHz	2472MHz	12M9G1D	--	--	--	--	0.90mW/MHz
802.11g	2412MHz	2472MHz	16M3D1D	--	--	--	--	0.40mW/MHz
802.11n(HT20)	2412MHz	2472MHz	17M1D1D	--	--	--	--	0.40mW/MHz
802.11n(HT40)	2422MHz	2462MHz	35M2D1D	--	--	--	--	0.20mW/MHz
802.11b	2484MHz	2484MHz	18M9G1D	--	--	--	--	0.90mW/MHz

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
PCB Antenna	u-blox AG	NORA-W10	3.00dBi	2400-2500MHz

Technical Construction File Details: (Documents Reviewed)
Technical Report(s):

Article 2 paragraph 1 item (19):
 CHTW24010106
 CHTW24010107
 Article 2 paragraph 1 item (19)-2:
 CHTW24010108

Supporting Documentation:

Service Agreement
 Letter of Authorization
 ISO 9001 Cert and/or Japan Product Quality
 Japan Application
 Japan Radio Protection Declaration
 Antenna Specifications
 Block Diagram
 BOM or Parts List
 External Photographs (MIC Reported)
 Internal Photographs (MIC Reported)
 Label and its Location
 Operational Description
 PCB Layout
 Schematics
 Test Setup - Japan
 User Manual

Type Marking

The validity of this Certificate is limited to products, which are equal to the one examined in the type - examination.
 • When the manufacturer(or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:

