



CERTIFICATE *of* COMPLIANCE



Certificate Validation

CERTIFICATE OF COMPLIANCE

R210-188060 / 17 Jun 2022 / 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:

Industrial Grade Single Board Computer

Approval Holder Name:

Polyhex Technology Company Limited




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



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Product Name:

Industrial Grade Single Board Computer

Product Model Numbers: **DEBIX Model A, DEBIX Model B, DEBIX Model C, DEBIX Model D, DEBIX Model E**

Brand Name: **DEBIX**

Approval Holder: Polyhex Technology Company Limited, 5/F., East Zone, Shunheda A2 Building, Liuxiangdong Industrial Park, Xili, Nanshan Dist., Shenzhen, China

Test Lab: Global United Technology Services Co., Ltd., No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, China

Standards

Group

Article 2 paragraph 1 item (19)

Article 2 paragraph 1 item (19)-3

Description of Apparatus

Company Name

Polyhex Technology Company Limited

Certification No.

R210-188060

Issue Date / Rev

17 Jun 2022 / Rev A

Equipment Description

Industrial Grade Single Board Computer

Brand Name

DEBIX

Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
Bluetooth BDR	2402MHz	2480MHz	83M5F1D	--	--	--	--	0.12mW/MHz
Bluetooth EDR	2402MHz	2480MHz	83M5G1D	--	--	--	--	0.05mW/MHz
Bluetooth LE	2402MHz	2480MHz	26M0F1D	3mW	Conducted	--	--	--
802.11b	2412MHz	2472MHz	26M0G1D	--	--	--	--	7mW/MHz
802.11g	2412MHz	2472MHz	26M0D1D	--	--	--	--	4mW/MHz
802.11n(HT20)	2412MHz	2472MHz	26M0D1D	--	--	--	--	3mW/MHz
802.11a	5180MHz	5240MHz	20M0D1D	--	--	--	--	4mW/MHz
802.11n(HT20)	5180MHz	5240MHz	20M0D1D	--	--	--	--	3mW/MHz
802.11ac(HT20)	5180MHz	5240MHz	20M0D1D	--	--	--	--	2mW/MHz
802.11n(HT40)	5190MHz	5230MHz	40M0D1D	--	--	--	--	1mW/MHz
802.11ac(HT40)	5190MHz	5230MHz	40M0D1D	--	--	--	--	0.8mW/MHz
802.11ac(HT80)	5210MHz	5210MHz	80M0D1D	--	--	--	--	0.4mW/MHz
802.11a	5260MHz	5320MHz	20M0D1D	--	--	--	--	4mW/MHz
802.11n(HT20)	5260MHz	5320MHz	20M0D1D	--	--	--	--	3mW/MHz
802.11ac(HT20)	5260MHz	5320MHz	20M0D1D	--	--	--	--	2mW/MHz



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Emission Information - Continued

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@ Dist.	
802.11n(HT40)	5270MHz	5310MHz	40M0D1D	--	--	--	--	1mW/MHz
802.11ac(HT40)	5270MHz	5310MHz	40M0D1D	--	--	--	--	0.7mW/MHz
802.11ac(HT80)	5290MHz	5290MHz	80M0D1D	--	--	--	--	0.3mW/MHz
802.11a	5500MHz	5700MHz	20M0D1D	--	--	--	--	1mW/MHz
802.11n(HT20)	5500MHz	5700MHz	20M0D1D	--	--	--	--	0.7mW/MHz
802.11ac(HT20)	5500MHz	5700MHz	20M0D1D	--	--	--	--	0.5mW/MHz
802.11n(HT40)	5510MHz	5670MHz	40M0D1D	--	--	--	--	0.3mW/MHz
802.11ac(HT40)	5510MHz	5670MHz	40M0D1D	--	--	--	--	0.1914mW/MHz
802.11ac(HT80)	5530MHz	5610MHz	80M0D1D	--	--	--	--	0.09mW/MHz

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
Chip antenna	/	/	1	2400-2500
Chip antenna	/	/	1	5000-6000

Technical Construction File Details: (Documents Reviewed)

Technical Report(s):

Article 2 paragraph 1 item (19):
 GTSL202205000121M01
 GTSL202205000121M02
 GTSL202205000121M03
 Article 2 paragraph 1 item (19)-3:
 GTSL202205000121M04

Supporting Documentation:

Service Agreement
 Agent 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
 Differences Declaration
 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:

