

EU Type Examination Certificate

Certificate No: TPS-RED501190 i01

Certificate Holder: Shenzhen Tuozhu Technology Co., Ltd.
903, West Zone
Hengchang Science and Technology Building
No.2228 Linhai Avenue, Nanshan Street
Qianhai Shengang Cooperation Zone
518052 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Product Type: Wireless LAN equipment
3D Printer

Model(s): PF001-U, PF001-S, PF002-A, PF002-M

We, as Notified Body number 0123, have examined the technical documentation and supporting evidence for the above listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination.

Essential Requirements: Article 3.3 (d) in respect to network protection
Article 3.3 (e) in respect of ensuring the security of personal data and privacy

The certificate has been issued in accordance with the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Product Service GmbH (Notified Body Number 0123).

The CE marking may be used on the equipment described above subject to the equipment meeting the compliance requirements of all applicable EU directives.

The conditions for the validity of this certificate are listed in the following pages.
For further details related to this certification please contact ps.zert@tuvsud.com

This is based upon examination of the following Technical Data file.

Technical Documentation: Tuozhu PF001-U (v) RED TCF

Valid from: 2025-11-04

The RED state of the art for this certificate will be monitored for 5 years after the issue date until 2030-11-02. During this time, the certificate might be re-evaluated if underlying standards change. In any case, after this 5-year period the certificate will be required to be up re-issued or will be automatically withdrawn.



(Laurentiu Dan Miiler)

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1 Equipment Description

The devices are a 3D printers supporting Wi-Fi and BLE at 2.4GHz radio interface.

1.1 Models

	Model	HW Version	FW Version	OS Version
Original	PF001-U	V5	01.05.02.00	FreeRTOS 10.4.3
	PF001-S	V8	01.05.02.00	
	PF002-A	V3	01.02.00.01	
	PF002-M	V7	01.02.00.00	

1.2 Supported Functions and Features

1.2.1 Non-radio features

PF002-A: Rated Input: 100-240VAC, 50/60Hz, 7A

PF002-M: Rated Input: 100-240VAC, 50/60Hz, 3A

PF001-S / PF001-U: Rated Input: 100-240VAC, 50/60Hz, 5A

Ports: USB-A

1.2.2 Radio features

Radio	Feature	Operating Spectrum / Max Power	
IEEE 802.11 – 2.4 GHz	b/g/n, Adaptive	2400-2483.5 MHz	20.0 dBm
Bluetooth	BLE v5.0	2400-2483.5 MHz	10.0 dBm



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1.3 Accessories

Model / Part Number	Description
Android IoT app versions	Bambu Handy 3.6.0
iOS IoT app versions	Bambu Handy 3.6.0
Desktop Software versions	Bambu Studio 2.1.1.52

2 Assessed Standards

Essential Requirement	Assessed Standards
Article 3.3(d) [Network protection]	EN 18031-1:2024
Article 3.3(e) [Personal data and privacy]	EN 18031-2:2024

3 Technical Documentation

3.1 Technical Documentation

Technical documentation and supporting evidence were examined and found to comply with the EU-type examination requirements in conjunction with Annex V requirements of the directive.

3.2 Declarations

Declaration of Conformity for PF001-U and PF001-S for RED, Draft	Dated	2025-10-20
Declaration of Conformity for PF002-A for RED, Draft	Dated	2025-10-20
Declaration of Conformity for PF002-M for RED, Draft	Dated	2025-10-20
Model Difference Declaration Letter for PF001-U (v) for RED	Issued	2025-09-26

3.3 Strategic Documentation

Risk Assessment Letter of PF001-U and PF001-S for RED	Issued	2025-10-20
Risk Assessment Letter of PF002-A for RED	Issued	2025-10-20
Risk Assessment Letter of PF002-M for RED	Issued	2025-10-20
Justification of Compliance of PF001-U (v) for RED	Modified	2025-11-03



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3.4 Technical Compliance Documentation

3.4.1 Article 3.3(d)

6818925079101	Issued	2025-09-02
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3.4.2 Article 3.3(e)

6818925079101	Issued	2025-09-02
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4 Additional Information

None.

5 Conditions of Validity

For complete conformity to the Radio Equipment Directive requirements as applicable inside the European Union, this product requires the essential requirements of RED Article 3.1(a), 3.1(b) and 3.2 that are not covered on this type examination certificate.