

Delivery Specifications

Supplier Specification Submission

納入仕様書

■ Date of application	提出年月日	Ref. No. <u>NA</u>
<u>2021/08/02</u>		<input checked="" type="radio"/> New application <input type="checkbox"/> New Parts(s) is added to accepted specification <input type="checkbox"/> Revision of accepted specification (Requested by Sony) <input type="checkbox"/> Revision of accepted specification (Requested by Supplier)
■ Specification number	仕様書番号	
<u>SONY PN NA</u>		
■ Part number	部品番号	<input checked="" type="radio"/> One <input type="checkbox"/> Two or more
<u>SONY PN NA</u>		
■ Tentative Part number	試作番号	
<u>NA</u>		
■ Part name	部品名称	
<u>WLAN/BT MODULE (11AX)</u>		
■ Supplier code & Supplier's name	納入者名 及び 取引先コード	
<u>NA</u>	<u>NANNING FUGUI PRECISION INDUSTRIAL CO., LTD.</u>	
■ Manufacturer's name	製造社名	NANNING FUGUI PRECISION INDUSTRIAL CO.,LTD.
■ Person responsible	責任者名	Ruyan Li
■ Person in charge of engineering	技術担当者名	Changfu Lin
■ Person in charge of sales	営業担当者名	Amy
■ Contact	連絡先	08094473470 a_komatsu@yuzhan.foxconn.co.jp
■ Supplier's product name	納入者製品名	<u>WLAN/BT Module</u>
■ Supplier's product number	製品番号	<u>J20H103.00</u>
■ Drawing number	図面番号	<u>NA</u>
<input checked="" type="radio"/> The specification attached to this sheet does not deviate from Sony specification. <input type="checkbox"/> Revision(s) within the limits of Sony specification is proposed. Revision proposal(s) is listed below. <input type="checkbox"/> Revision(s) beyond the limits of Sony specification is proposed. Revision proposal(s) is listed below. However, all other items contained within the specification are identical to Sony specification.		
■ Revision	仕様変更欄	
Sony specification ソニー仕様	Proposed revision 変更希望仕様	Reason for revision 変更理由

Product Description	WLAN/BT Module
SONY Part Number	
FOXCONN Part Number	J20H103.00
FOXCONN Model Name	NA
Issue Version:	01
Manufacturer	NANNING FUGUI PRECISION INDUSTRIAL CO., LTD. Address: NO.51, Tongle Road, Foxconn Industrial Park, District Jiangnan, Nanning, Guangxi China. Tel: +86-0771-5086999 Ext: 35400
Production Factory	NANNING FUGUI PRECISION INDUSTRIAL CO., LTD. Address: NO.51, Tongle Road, Foxconn Industrial Park, District Jiangnan, Nanning, Guangxi China. Tel: +86-0771-5086999 Ext: 35400
Production Country	People's Republic of China

Revision History

Version	Change Description	Date
01	Initial release (ES3)	2021/08/02

1 Product Introduction

J20H103.00 is an USB2.0 WLAN/Bluetooth combo module based on Mediatek MT7921AUN chipset.

Features

- IEEE 802.11 a/b/g/n/ac/ax compliant
- Support 20MHz, 40MHz, 80Mhz bandwidth in 2.4GHz, 5GHz, 6GHz band
- Dual-band 2T2R mode
- Bluetooth v5.2 with BLE (BT low energy)
- Supports BT/BLE dual mode
- Supports BT/Wi-Fi coexistence
- OTP memory in MT7921AUN chipset for RF calibration data storage
- Support wake on WLAN/BT
- Four on-board printed antennas(Two for WiFi, Two for BT)
- Single-side SMT process
- Four layers PCB, FR4, OSP
- Module dimension: 75.00 mm x 40.00 mm x 4.4 mm
- Weight 0.0104 Kg +/- 10%

Interfaces and Power supply

- 20 pins I/O connector
- 3.3 V / 800mA power supply required
- USB 2.0 interface
- WOWL (wake on WLAN)/WOBT(wake on BT), active low
- RST_WL/RST_BT, active low
- RST (reset), active low
- Four reserved soldering pads of U. FL RF connector

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC regulations restrict the operation of this device to indoor use only.

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This module is intended for OEM integrators only. Per FCC KDB 996369 D03 OEM Manual v01 guidance, the

following conditions must be strictly followed when using this certified module:

KDB 996369 D03 OEM Manual v01 rule sections:

2.2 List of applicable FCC rules

This module has been tested for compliance to FCC Part 15.

2.3 Summarize the specific operational use conditions

The module is tested for standalone mobile RF exposure use condition. Any other usage conditions such as co-location with other transmitter(s) or being used in a portable condition will need a separate reassessment through a class II permissive change application or new certification.

2.4 Limited module procedures

Not applicable.

2.5 Trace antenna designs

Not applicable.

2.6 RF exposure considerations

This equipment complies with FCC mobile radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. If the module is installed in a portable host, a separate SAR evaluation is required to confirm compliance with relevant FCC portable RF exposure rules.

2.7 Antennas

The following antennas have been certified for use with this module; antennas of the same type with equal or lower gain may also be used with this module. The antenna must be installed such that 20 cm can be maintained between the antenna and users.

Antenna Type	Monopole
Antenna connector	N/A

2.8 Label and compliance information

The final end product must be labeled in a visible area with the following: "Contains FCC ID: AK8J20H103". The grantee's FCC ID can be used only when all FCC compliance requirements are met.

2.9 Information on test modes and additional testing requirements

This transmitter is tested in a standalone mobile RF exposure condition and any co-located or simultaneous transmission with other transmitter(s) or portable use will require a separate class II permissive change re-evaluation or new certification.

2.10 Additional testing, Part 15 Subpart B disclaimer

This transmitter module is tested as a subsystem and its certification does not cover the FCC Part 15 Subpart B (unintentional radiator) rule requirement applicable to the final host. The final host will still need to be reassessed for compliance to this portion of rule requirements if applicable.

As long as all conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

IMPORTANT NOTE: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

Manual Information To the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

OEM/Host manufacturer responsibilities

OEM/Host manufacturers are ultimately responsible for the compliance of the Host and Module. The final product must be reassessed against all the essential requirements of the FCC rule such as FCC Part 15 Subpart B before it can be placed on the US market. This includes reassessing the transmitter module for compliance with the Radio and EMF essential requirements of the FCC rules. This module must not be incorporated into any other device or system without retesting for compliance as multi-radio and combined equipment