PRODUCT SPECIFICATION

N280C-PUX2

Wi-Fi 2x2 11b/g/n/ac/ax dual band+ BT 5.4

Combo Module

Version:v1.0

Customer: _____

Customer P/N:_____

Signature:_____

Date:_____

Office:3506-3509, Building A, Fucheng Time Plaza, Xin'an Street, Bao'an District, Shenzhen City, Guangdong Province, China

Factory: NO.8, Litong RD., Liuyang Economic & Technical Development Zone, Changsha, CHINA

TEL:+86-755-2955-8186 Website:www.fn-link.com

N280M-PUX2 Module Datasheet

	Part NO.	Description
Ordering Information	FGN280CPU2-00	AIC8800M80X2P,wifi6,802.11a/b/g/n/ac/ax+BT5.4,2T2R,12X 16mm,PCIE+USB

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Revision History

Version	Date	Contents of Revision Change	Draft	Checked	Approved
V1.0	2026/03/26	New version	ZXH	TZQ	QJP

1. General Description

1.1 Introduction

N280C-PUX2 provides a highly integrated solution for wireless applications, integrating dual-stream WiFi6 and Bluetooth 5.4.

1.2 Description

Model Name	N280C-PUX2
Product Description	Support Wi-Fi /BT functionalities
Dimension	L x W x H: 12 x 16 x 2.0mm
Wi-Fi Interface	PCIE
OS supported	Android /Linux/ Windows
Operating temperature	-20°C to 80°C
Storage temperature	-40°C to 85°C

2. Features

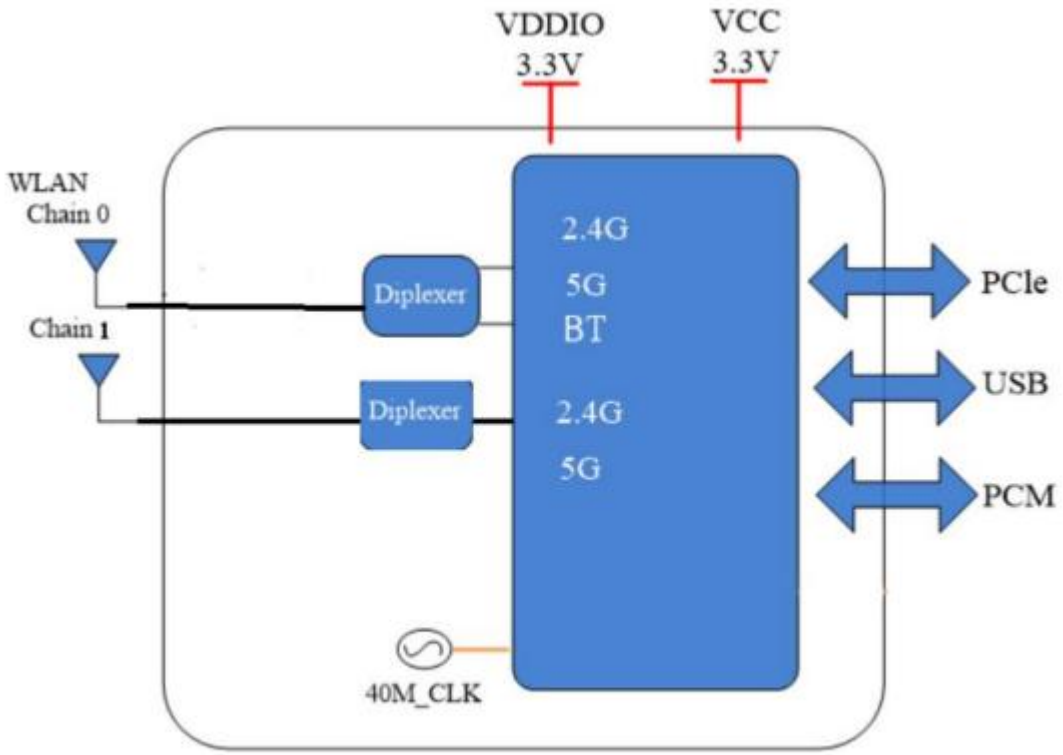
General

- CMOS single _chip fully _integrated RF, Modemand MAC
- Support 2.4GHz/5GHz Wi-Fi6
- Physical data rates up to 1201.0Mbps with 20/40/80MHz bandwidth
- Support 2 spatial stream transmission and high performance reception
- Support 2 Rx maximum rejection combining receiver for all modes
- Support STA, AP, Wi-Fi Direct modes concurrently
- Support STBC
- Support beamforming as beamformee up to 4x2
- Support Wi-Fi6 TWT
- Support Two NAV, Buffer Report, Spatial reuse, Multi-BSSID, intra-PPDU power save
- Support LDPC
- Support downlink MU-MIMO,OFDMA
- Support uplink MU-MIMO,OFDMA
- Support ER,DCM, Mid-amble,UORA
- Support WEP/WPA/WPA2/WPA3-SAE Personal, MFP
- Support TPC

Bluetooth Features

- Complies with Bluetooth Core Specification Version 5.4 with provisions for supporting future specifications.
- Supports allthe mandatory and optional features ofBluetooth 5.4
- Supports advanced master and slave topologies
- Supports BR/EDR
- Supports BLE (1/2Mbps/LongRange S2/8).
- Bluetooth Class 1 or Class 2 transmitter operation.
- Supports BLE audio.
- Host controllerinterface (HCI) using a high-speedUART interface.
- PCM for audio data.
- Adaptive frequency hopping (AFH) forreducing radio frequency interference.

3. Block Diagram



4. General Specification

4.1 2.4GHz RF Specification

Feature	Description	
WLAN Standard	IEEE 802.11b/g/n/ax, Wi-Fi compliant	
Frequency Range	2.400 GHz ~ 2.4835 GHz (2.4 GHz ISM Band)	
Number of Channels	2.4GHz：Ch1 ~ Ch13,Ch14	
Modulation	DBPSK/DQPSK/CCK(DSSS)、BPSK/QPSK/16QAM/64QAM(OFDM)	
Test Items	**Typical Value**	**EVM**
Output Power[1]	802.11b /11Mbps：18dBm ± 2 dBm	EVM ≤ -10dB
	802.11g /54Mbps：15dBm ± 2 dBm	EVM ≤ -25dB
	802.11n /MCS7 ：15dBm ± 2 dBm	EVM ≤ -28dB
	802.11ax /MCS11： 13dBm± 2 dBm	EVM ≤ -35dB

Spectrum Mask	Meet with IEEE standard	
Freq. Tolerance	±20ppm	
Receive Sensitivity (11b,20MHz) @8% PER	- 11Mbps @-85dBm	≤-76dBm
Receive Sensitivity (11g,20MHz) @10% PER	- 54Mbps @-73dBm	≤-68dBm
Receive Sensitivity (11n,20MHz) @10% PER	- MCS=7 @-70dBm	≤-67dBm
Receive Sensitivity (11n,40MHz) @10% PER	- MCS=7 @-68dBm	≤-64dBm
Receive Sensitivity (11ax,20MHz) @10% PER	- MCS=11 @-61dBm	≤-52dBm
Receive Sensitivity (11ax,40MHz) @10% PER	- MCS=11 @-57dBm	≤-49dBm
Maximum Input Level	802.11b : -10 dBm	
	802.11g/n : -20 dBm	

4.2 WI-FI 5GHz Specification

Feature	**Description**	
WLAN Standard	IEEE 802.11a/n/ac/ax, Wi-Fi compliant	
Frequency Range	5.150 GHz ~ 5.850 GHz (5.0 GHz Band)	
Test Items	**Typical Value**	**EVM**
Output Power[1]	802.11a 54Mbps: 15 ± 2 dBm	EVM ≤ -25dB
	802.11n MCS7: 15 ± 2 dBm	EVM ≤ -28dB
	802.11ac MCS9: 14 ± 2 dBm	EVM ≤ -32dB
	802.11ax MCS11 : 12 ± 2 dBm	EVM ≤ -35dB
Receive Sensitivity (11a,20MHz) @10% PER	- 54Mbps PER @ -71 dBm, typical	≤-68
Receive Sensitivity (11n,20MHz) @10% PER	- MCS=7 PER @ -69 dBm, typical	≤-67
Receive Sensitivity (11n,40MHz) @10% PER	- MCS=7 PER @ -67 dBm, typical	≤-64
Receive Sensitivity (11ac,20MHz) @10% PER	- MCS=8 PER @ -66 dBm, typical	≤-59
Receive Sensitivity	- MCS=9 PER @ -63 dBm, typical	≤-54

(11ac,40MHz) @10% PER		
Receive Sensitivity (11ac,80MHz) @10% PER	- MCS=9 PER @ -59 dBm, typical	≤-51
Receive Sensitivity (11ax,20MHz) @10% PER	- MCS=11 PER @ -61 dBm, typical	≤-52
Receive Sensitivity (11ax,40MHz) @10% PER	- MCS=11 PER @ -57 dBm, typical	≤-49
Receive Sensitivity (11ax,80MHz) @10% PER	- MCS=11 PER @ -56 dBm, typical	≤-46
Maximum input level	802.11a/n: -30 dBm	
	802.11ac: -30 dBm	
	802.11ax: -30 dBm	

Conditions：VBAT=3.3V；VDDIO=3.3V；Temp:25°C

1.To verify power, it is necessary to determine whether the target power in the configuration file is consistent with this specification.

4.3 Bluetooth Specification

Feature	**Description**
General Specification	
Bluetooth Standard	BDR/EDR(1Mbps/2Mbps/3Mbps)、LE(1Mbps)、LE(2Mbps)
Host Interface	USB
Frequency Band	2400 MHz ~ 2483.5 MHz
Number of Channels	79 channels for classic 、40 channels for BLE
Modulation	GFSK, π/4-DQPSK, 8-DPSK
RF Specification	
Output Power , tolerance ± 4 dB	
	CL1(dBm)
BDR Output Power	8
EDR Output Power	8
BLE Output Power	8
Sensitivity, tolerance :/ dB	

Sensitivity @ BER=0.1% for GFSK (1Mbps)	-82
Sensitivity @ BER=0.01% for π/4-DQPSK (2Mbps)	-80
Sensitivity @ BER=0.01% for 8DPSK (3Mbps)	-80
Sensitivity @ BER=30.8% for LE (1Mbps)	-90
Sensitivity @ BER=30.8% for LE (2Mbps)	-90
Maximum Input Level	GFSK (1Mbps):-20dBm
	π/4-DQPSK (2Mbps) :-20dBm
	8DPSK (3Mbps) :-20dBm

5. ID setting information

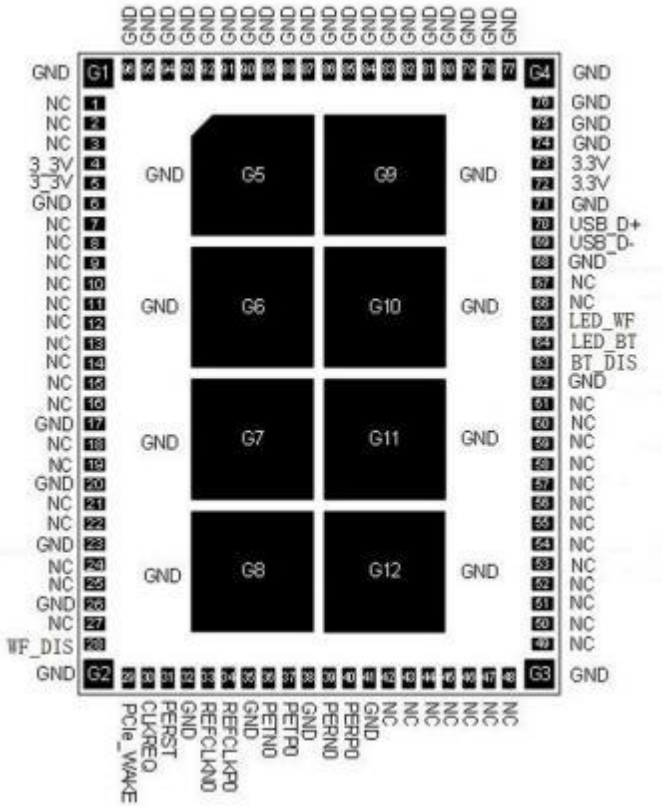
WI-FI

Vendor ID	TBD
Product ID	TBD

6. Pin Definition

6.1 Pin Outline

< TOP VIEW >



6.2 Pin Definition details

NO.	Name	Type	Description	Voltage
1	NC	–	No connect	
2	NC	–	No connect	
3	NC	–	No connect	
4	3_3V	P	Main power voltage source input 3.3V	3.3V
5	3_3V	P	Main power voltage source input 3.3V	3.3V
6	GND	–	Ground connections	
7	NC	–	No connect	
8	NC	–	No connect	
9	NC	–	No connect	
10	NC	–	No connect	
11	NC	–	No connect	
12	NC	–	No connect	
13	NC	–	No connect	
14	NC	–	No connect	
15	NC	–	No connect	
16	NC	–	No connect	
17	GND	–	Ground connections	

18	NC	–	No connect	
19	NC	–	No connect	
20	GND	–	Ground connections	
21	NC	–	No connect	
22	NC	–	No connect	
23	GND	–	Ground connections	
24	NC	–	No connect	
25	NC	–	No connect	
26	GND	–	Ground connections	
27	NC	–	No connect	
28	WL_DIS	–	WLAN enablepin,High:enable,Low:disable	3.3V
29	PCIe_WAKE	OD	PCIe wake up host, open drain, active low	3.3V
30	CLKREQ	OD	PCIe reference clock request signal	3.3V
31	PERST	PD	PCIe reset module	3.3V
32	GND	–	Ground connections	
33	REFCLKN0	I	PCIe CLK Difference -	
34	REFCLKP0	I	PCIe CLK Difference +	
35	GND	–	Ground connections	
36	PETN0	O	PCIe Data Out Difference -	
37	PETP0	O	PCIe Data Out Difference +	
38	GND	–	Ground connections	
39	PERN0	I	PCIe Data IN Difference -	
40	PERP0	I	PCIe Data IN Difference +	
41	GND	–	Ground connections	
42	NC	–	No connect	
43	NC	–	No connect	
44	NC	–	No connect	
45	NC	–	No connect	
46	NC	–	No connect	
47	NC	–	No connect	
48	NC	–	No connect	
49	NC	–	No connect	
50	NC	–	No connect	
51	NC	–	No connect	
52	NC	–	No connect	
53	NC	–	No connect	
54	NC	–	No connect	

55	NC	–	No connect	
56	NC	–	No connect	
57	NC	–	No connect	
58	NC	–	No connect	
59	NC	–	No connect	
60	NC	–	No connect	
61	NC	–	No connect	
62	GND	–	Ground connections	
63	BT_DIS	I	BT enable pin,High:enable,Low:disable.	3.3V
64	LED#2	O	BT link LED, active low.	3.3V
65	LED#1	O	WLAN link LED, active low.	3.3V
66	NC	–	No connect	
67	NC	–	No connect	
68	GND	–	Ground connections	
69	USB_D-	I/O	USB difference line for BT	
70	USB_D+	I/O	USB difference line for BT	
71	GND	–	Ground connections	
72	3.3V	P	Main power voltage source input 3.3V	3.3V
73	3.3V	P	Main power voltage source input 3.3V	3.3V
74-96	GND	–	Ground connections	
G1-G12	GND	–	Ground connections	

P:POWER I:INPUT O:OUTPUT PD：PULL-DOWN

7. Electrical Specifications

7.1 Power Supply DC Characteristics

The digital IO supports VDD33 or VDD18 application.

	MIN	TYP	MAX	Unit
Operating Temperature	-20	25	80	deg.C
VDDIO	3	3.3	3.6	V

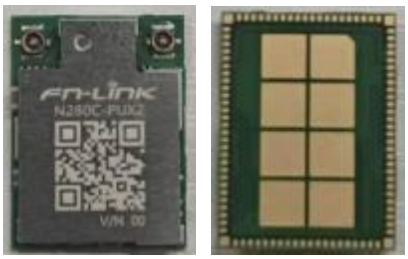
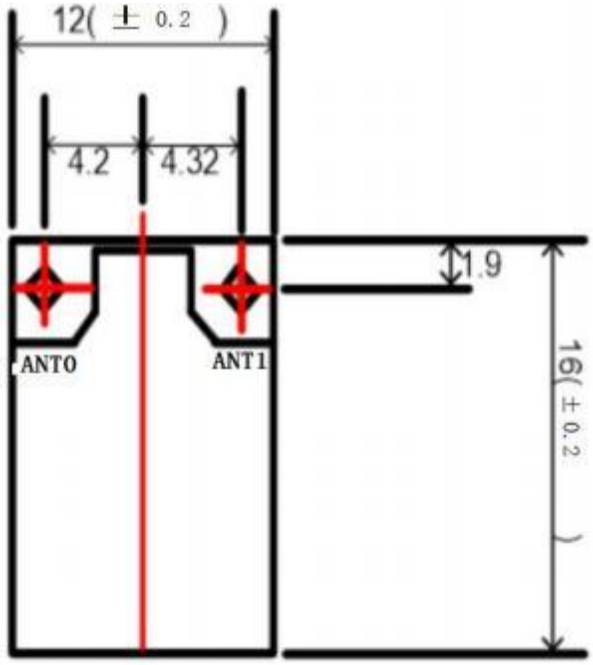
7.2 Power Consumption

2.4G	Test condition: VBAT=3.3V / VDDIO=3.3V	
	Current @ TX	Current @ RX
	Maximum(mA)	Maximum(mA)
11b@20dbm	134	95
11g@17dbm	108	101
HT20-mcs7@16dbm	121	100
HE40-mcs11@15dbm	111	100

5G	Test condition: VBAT=3.3V / VDDIO=3.3V	
	Current @ TX	Current @ RX
	Maximum(mA)	Maximum(mA)
54M@17dbm	125	100
MCS7 HT40@17dbm	151	101
MCS9 VHT40@16dbm	138	99
MCS11 HE40@14dbm	130	100
MCS11 HE80@14dbm	141	101

8. Size reference

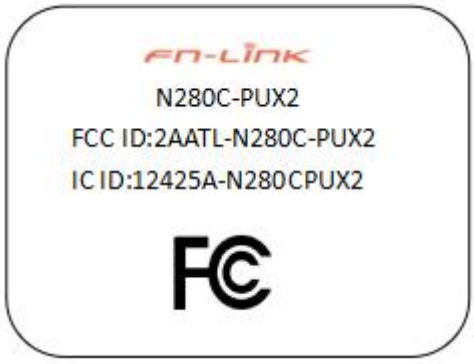
8.1 Module Picture

<table>
<tr><td>L x W :12 x 16 (±0.2) mm
</td><td>
</td></tr>
<tr><td>H: 2.0(±0.2) mm</td><td>
</td></tr>
<tr><td>Weight</td><td>0.76(±0.1)g</td></tr>
</table>

8.2 Marking Description

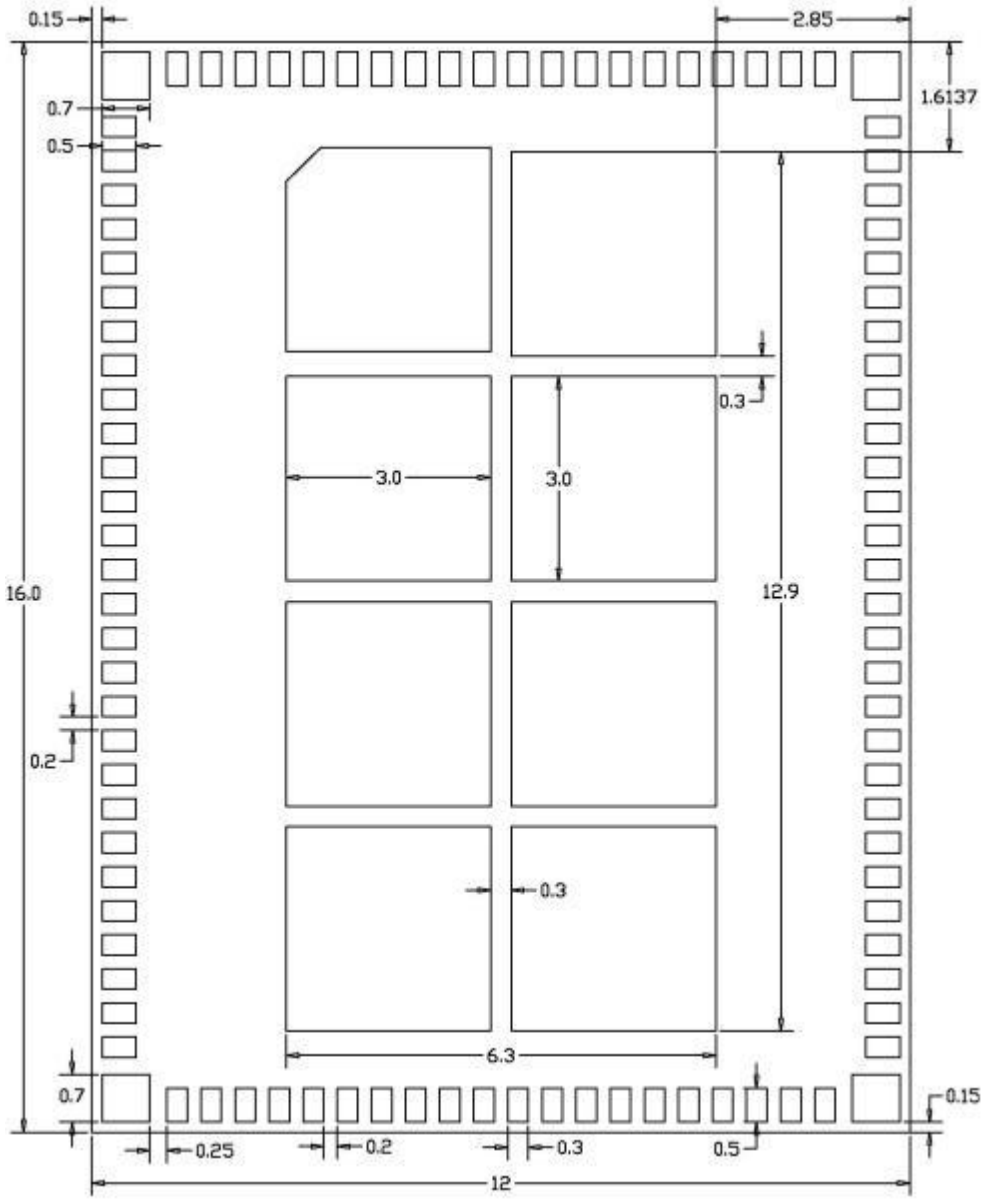


Note:
QR code content: 11223 34455 66; FGN280CPU2-00
1. Fn-Link
2. N280C-PUX2
3. QR code: The encoding rules are as follows: “wifi mac address; Finished material number”
For example: 11223 34455 66; FGN280 CPU2-00 (MAC address is subject to change)
----- BT MAC is based on WIFI MAC + 1 (WIFI address needs to jump 1, cannot be repeated with BT address), this content is not displayed in the QR code.
4. V/N 00 (There are two spaces between V/N and 00, and 00 is the suffix of the finished material number)
5. The shield cover with laser engraving and silk printing is placed in the center.



module	N280C-PUX2
Brand name	
FCC ID	2AATL-N280C-PUX2
IC ID	12425A-N280CPUX2

8.3 Physical Dimensions



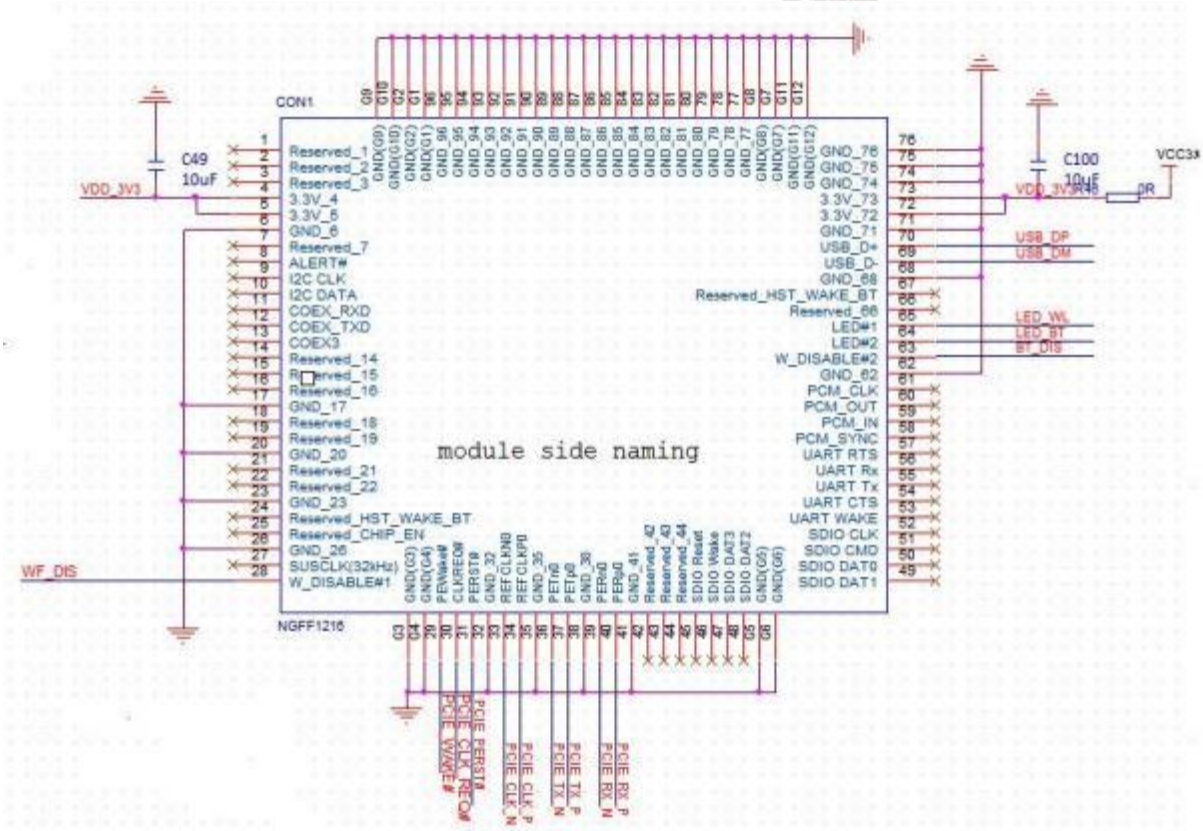
9. The Key Material List

Item	Part Name	Description	Manufacturer
1	Inductor	2016 2.2uH, ±20%	Sunlord,Ceaiya, Cenker, Taiyo,inpaq
2	Crystal	2016 40MHz ±10ppm	ECEC, TKD, Hosonic, JWT, TXC
3	Chipset	AIC8800M80X2P	AIC
4	PCB	FR4, 4 LAYER, GREEN	XY-PCB,GDKX,Sunlord, SLPCB,Truly
5	shielding	15.35* 11.34* 1.45mm,T=0.15mm	Sun-tek, JLitong,卓益

		Copper-zinc alloy, no insulating layer, no positioning feet	
6	Antenna connector	4 代天线座	Chuang Di, Jiawo, Qiming Sheng
7	Diplexer	1608 2400-2500 MHz / 4900-5950 MHz	Fitel, Huake, Jiali
8	MOS	2N7002K, SOT-23,N-CHANNEL	Changdian, Shi Jing

10. Reference Design，

10.1 Reference Design



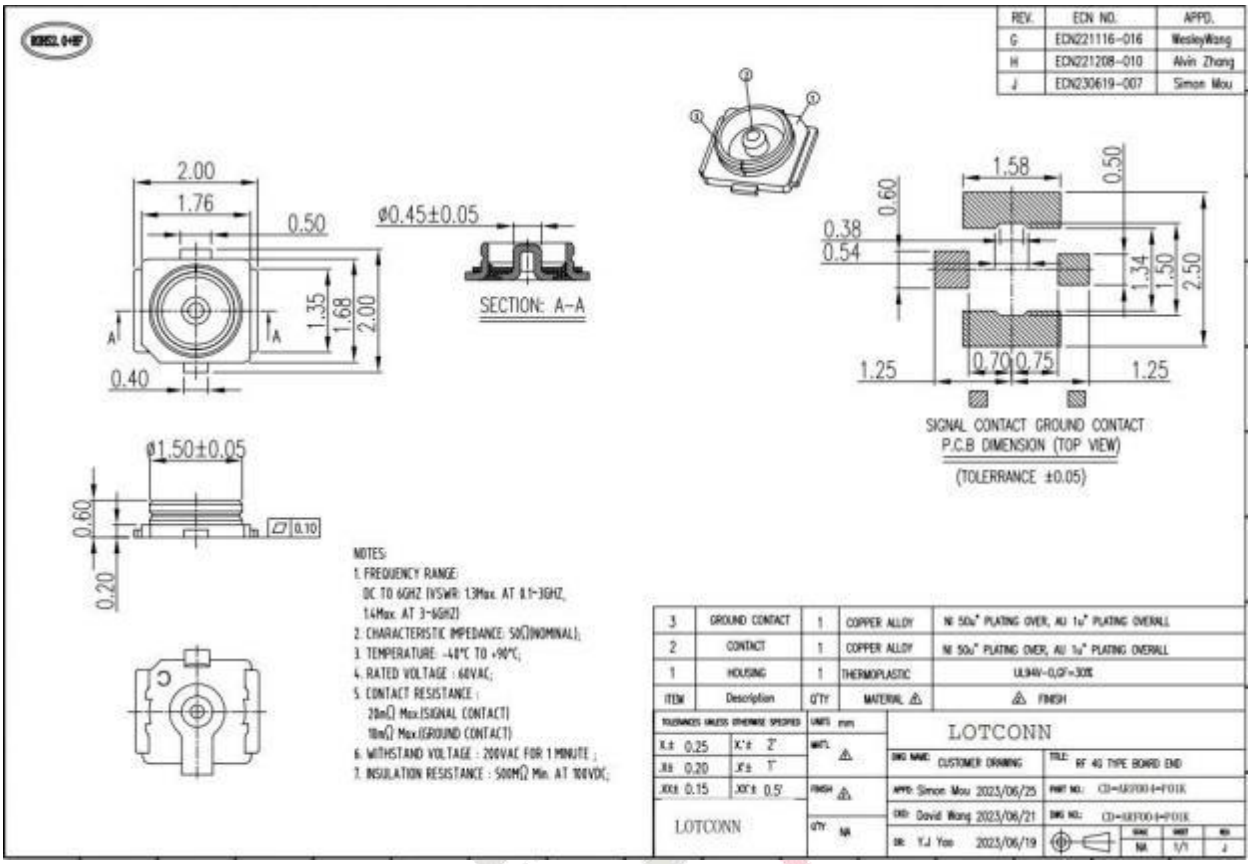
Note:

Module requires independent power supply , supply capacity ≥ 1.5A and ripple less than 165mV;

Do not share power with amplifier, infrared device, camera, etc;

BT using usb interface ， UART not supported;

10.2 Connector Specification



11. Recommended Reflow Profile

No need

12. RoHS compliance

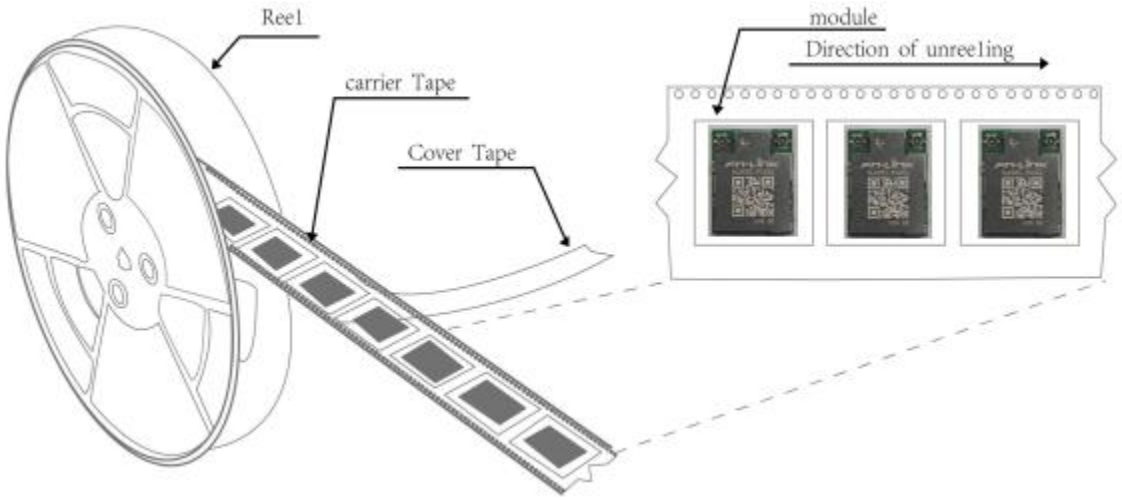
All hardware components are fully compliant with EU RoHS directive

13. Package

13.1 Packaging Detail

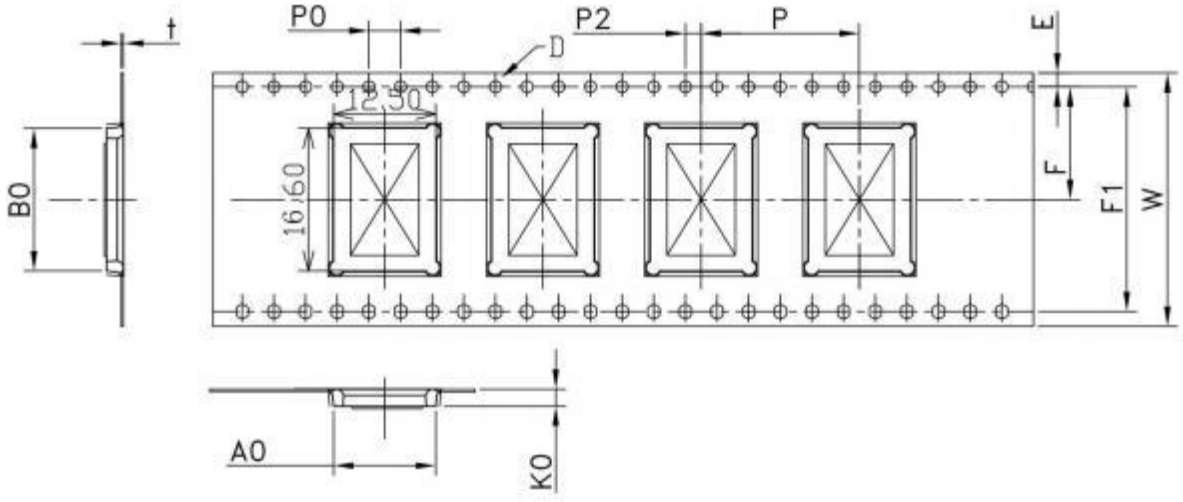
13.2 Reel

A roll of2000pcs



12.2 Carrier Tape Detail

ITEM	W	A0	B0	D	E	F	F1	K0	P0	P2	P	T
DIM	32	12.50	16.60	1.5	1.75	14.20	28.4	2.15	4.0	2.0	20.0	0.30
TOLE	+0.3 −0.3	±0.18	±0.18	+0.1 −0.0	±0.1	±0.15	±0.10	±0.10	±0.1	±0.15	±0.1	±0.05



14. Moisture sensitivity

The Modules is a Moisture Sensitive Device level 3, in according with standard IPC/JEDEC J-STD-020, take care
all the relatives requirements for using this kind of components.
Moreover, the customer has to take care of the following conditions:

a) Calculated shelf life in sealed bag: 12 months at <40°C and <90% relative humidity (RH)

b) Environmental condition during the production: 30°C / 60% RH according to IPC/JEDEC J-STD-033A paragraph 5

c) The maximum time between the opening of the sealed bag and the reflow process must be 168 hours if condition

b) "IPC/JEDEC J-STD-033A paragraph 5.2" is respected

d) Baking is required if conditions b) or c) are not respected

e) Baking is required if the humidity indicator inside the bag indicates 10% RH or more

The Module is designed to comply with the FCC statement. FCC ID is 2AATL-N280C-PUX2. The host system using Module, should have label indicated it contain modular's FCC ID: 2AATL-N280C-PUX2. This radio module must not installed to collocate and operating simultaneously with other radios in host system additional testing and equipment authorization may be required to operating simultaneously with other radio. The Module and its antenna must not be co-located or operating in conjunction with any other transmitter or antenna within a host device.

The modular must be installed in the host that assign by Company name: FN-LINK TECHNOLOGY LIMITED, Model no.: N280C-PUX2 if other host types used would need further evaluation and possible C2PC if they are not significantly similar to the one tested The WIFI Module is designed for a compact PCB design. It should be installed and operated with host or other minimum distance of 20 centimeters between the radiator and your body." To comply with FCC regulations limiting both maximum RF output power and human exposure to RF radiation, the maximum antenna gain including cable loss in a mobile-only exposure condition must not exceed 3.39 dBi in BT, 3.39 dBi in 2.4G WIFI, 3.99 dBi in the 5G WIFI. The module uses FPC antennas, these antennas are sold with the module.

Notice to OEM integrator
The end user manual shall include all required regulatory information/warning as show in this manual. The OEM integrator is responsible for testing their end-product for any additional compliance requirements required with this module installed. If the final product contains circuits of other FCC PART 15 Subparts, the final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed The intended use is generally not for the general public. It is generally for industry/commercial use. The connector is within the transmitter enclosure and can only be accessed by disassembly of the transmitter that is not normally required, the user has no access to the connector. Installation must be controlled. Installation requires special training.
This device complies with Part 15 of the FCC Rules.
This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

2.2
This module has been assessed against the following FCC rule parts: CFR 47 FCC Part 15 C (15.247. DTS) and CFR 47 FCC Part 15 E (NII). It is applicable to the modular transmitter

2.3
This radio transmitter Module has been approved by Federal Communications Commission to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

The concrete contents to check are the following three points.
1) Maximum antenna gains are shown in item 2.7 below.
2) Should be installed so that the end user cannot modify the antenna
3) Feed line should be designed in 50ohm
Fine-tuning of return loss etc. can be performed using a matching network.
The antenna shall not be accessible for modification or change by the end user.

2.4
The module complies with FCC Part 15.247 / Part 15.407 and apply for Single module approval.

2.5
Trace antenna designs: applicable.
Any deviation(s) from the defined parameters of the antenna trace, as described by the instructions, require that the host product manufacturer must notify the module grantee that they wish to change the antenna trace design. in this case, a Class ll permissive change application is required to be filed by the grantee, or the host manufacturer can take responsibility through the change in FCC ID (new application) procedure followed by a Class ll permissive change application.
The device must be professionally installed.
The intended use is generally not for the general public.
It is generally for industry/commercial use.
The connector is within the transmitter enclosure and can only be accessed by disassembly of the transmitter that is not normally required.
The user has no access to the connector.
Installation must be controlled.
Installation requires special training.

2.6
This equipment complies with FCC 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. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2.7
The following antennas have been certified for use with this module.
Only antennas of the same type with equal or lower gain may also be used with this module.
Other types of antennas and/or higher gain antennas may require the additional authorization for operation.
The installer should use unique antenna connector and Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device. The manufacturer of module will inform installer to meet with the FCC part 15.203 in the warning part.
Antenna Specification list below:

BT:
Antenna type: FPC Antenna
The max antenna gain (in dBi):
BR+EDR: 3.39 dBi
BLE: 3.39 dBi

2.4G WIFI:
Antenna type: Copper tube antenna
The max antenna gain (in dBi):
3.39 dBi for antenna 1
3.39 dBi for antenna 2

5G WIFI:
Antenna type: Copper tube antenna
The max antenna gain (in dBi):
3.99 dBi for antenna 1
3.99 dBi for antenna 2

2.8
Please notice that if the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as "Contains FCC ID: 2AATL-N280C-PUX2 "; any similar wording that expresses the same meaning may be used.

2.9
Testing of the host product with all the transmitters installed - referred to as the composite investigation test- is recommended, to verify that the host product meets all the applicable FCC rules. The radio spectrum is to be investigated with all the transmitters in the final host product functioning to determine that no emissions exceed the highest limit permitted for any one individual transmitter as required by Section 2.947(f). The host manufacturer is responsible to ensure that when their product operates as intended it does not have any emissions present that are out of compliance that were not present when the transmitters were tested individually.
If the modular transmitter has been fully tested by the module grantee on the required number of channels, modulation types, and modes, it should not be necessary for the host installer to re-test all the available transmitter modes or settings. It is recommended that the host product manufacturer, installing the modular transmitter, perform some investigative measurements to confirm that the resulting composite system does not exceed the spurious emissions limits or band edge limits (e.g., where a different antenna may be causing additional emissions).
The testing should check for emissions that may occur due to the intermixing of emissions with the other transmitters, digital circuitry, or due to physical properties of the host product (enclosure). This investigation is especially important when integrating multiple modular transmitters where the certification is based on testing each of them in a stand-alone configuration.

2.10
Any company of the host device which install this modular should perform the test of radiated & conducted emission and spurious emission etc. according to FCC Part 15C: 15.247 and15.209 & 15.207, part 15E: 15.407, part 15B: class B requirement, only if the test result comply with FCC part 15C: 15.247 and 15.209 & 15.207 part 15 E 15.407, 15B class B requirement. Then the host can be sold legally.
The host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification, If the grantee markets their product as being Part 15 Subpart B compliant (when it also contains unintentional-radiator digital circuity), then the grantee

shall provide a notice stating that the final host product still
requires Part 15 Subpart B compliance testing with the modular transmitter installed.

FCC Statement

1. 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.
(2)This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: 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 or more 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.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le dispositif a été évalué pour répondre aux exigences générales d'exposition aux ondes radiofréquences.C et équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.
Les opérations dans la bande 5.15-5.25GHz sont limitées à une utilisation à l'intérieur seulement.

The Module is designed to comply with the ISED statement. IC is 12425A-N280CPUX2. The host system using Module, should have label indicated it contain modular's IC: 12425A-N280CPUX2. This radio module must not installed to collocate and operating simultaneously with other radios in host system additional testing and equipment authorization may be required to operating simultaneously with other radio.
The Module and its antenna must not be co-located or operating in conjunction with any other transmitter or antenna within a host device.

This radio transmitter [IC: 12425A-N280CPUX2] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

The modular must be installed in the host that assign by Company name: FN-LINK TECHNOLOGY LIMITED, Model no.: N280C-PUX2. If other host types used would need further evaluation and possible C2PC if they are not significantly similar to the one tested The WIFI Module is designed for a compact PCB design. It should be installed and operated with host or other minimum distance of 20 centimeters between the radiator and your body. To comply with ISED regulations limiting both maximum RF output power and human exposure to RF radiation, the maximum antenna gain including cable loss in a mobile-only exposure condition must not exceed 3.39 dBi in BT, 3.39 dBi in 2.4G WIFI, 3.99 dBi in the 5G WIFI.. The module uses FPC antennas, these antennas are sold with the module.