

AW-CU484

IEEE 802.15.4 and Bluetooth LE 5.0 wireless microcontroller Stamp LGA Module

<u>User Guide</u>

Rev. A

(For Certification)



Revision History

Version	Revision Date	Description	Initials	Approved
Α	2020/11/23	Initial Version	Shihhua Huang	N.C. Chen



1. System Setup

(1) Hardware Requirements

- Host system need running the Windows10 x64 operating system
- IQxel-M8
- RF isolation chamber for receive measurements.
- RF attenuators
- RF cable
- NFC reader



PL-2303GC Driver

> PL23XX_Prolific_DriverInstaller_v200 > PL23XX_Proli	fic_DriverInstaller_v20	00	v U	搜尋 PL23XX
2稱 ^	修改日期	類型	大小	
PL23XX-M_LogoDriver_Setup_v200_20190815.exe	2019/8/15 下午 0	應用程式	9,9	74 KB
🛃 PL2303 Windows Driver Manual v1.23.0.pdf	2019/6/17 下午 0	Adobe Acrobat D	1,8	15 KB
PL2303_CheckChipVersion_v1006.exe	2013/1/15 下午 0	應用程式	2	08 KB
PL2303_DriverInstallerv1.23.0_ReleaseNote.txt	2019/8/15 下午 0	文字文件		15 KB
PL2303CheckChipVersion_ReadMe.txt	2015/6/17 下午 1	文字文件		2 KB
PL2303G_DriverInstallerv1.4.0_ReleaseNote.txt	2019/7/16 下午 0	文字文件		5 KB

• Tera Term (tool)

Note: Tera Term is our suggestion, you can try any terminal tool.

名稱	~	修改日期	類型	大小
🞼 teraterm-4.63.exe		2009/9/8 下午 04	應用程式	7,045 KB

• DK6Production flash programmer folder (please contact FAE)

Note: You must have below files

機	莖碟 (C:) → nxp →	DK6ProductionFlashProgrammer		~ Ō	搜尋 DK6	ProductionFlash.
^	名稱	^	修改日期	類型		小大
L	DK6Program	mer.exe	2019/11/16 上午 02:02	應用程	武	588 KB
	ftd2xx.dll		2019/5/28下午07:15	應用程	式擴充	215 KB
	📋 jn5189dk6_h	ello_world.bin	2020/4/15 上午 10:11	BIN 權	案	17 KB
] JN-AN-1242	-JN518x-Customer-Module-Evaluation-Tool.bin	2020/2/28 下午 05:23	BIN 權	案	69 KB
] JN-AN-1242	-K32W061-Customer-Module-Evaluation-Tool.bin	2020/5/1 下午 09:52	BIN 檔	案	56 KB
	libgcc_s_dw2	-1.dll	2019/5/28 下午 07:15	應用程	式擴充	110 KB
	🗟 pdcurses.dll		2019/5/28下午07:15	應用稽	式擴充	116 KB
	g programmer	.dll	2019/11/16 上午 02:02	應用程	式擴充	972 KB
] qn9090dk6_l	nci_black_box_bm.bin	2020/3/3 下午 02:03	BIN 權	案	149 KB
	📋 qn9090dk6_l	nello_world.bin	2020/2/20 上午 10:53	BIN 權	案	21 KB
1	🕞 uninstall.exe		2020/2/13 下午 02:22	應用程	式	323 KB

• Mbt.exe (please contact FAE)

Note: mbt is our suggestion. You can try any hci tool.

名稱	修改日期	· 類型	大小
📧 mbt.exe	2020/7/21 上午 1	應用程式	50 KB
📓 mbt_setup.ini	2020/7/21 下午 0	組態設定	1 KB



2. How to download the image

1. You must check the COM number (can check the value by the following picture) Note: J9 for DUT COM port



2. Find the folder of DK6ProductionFlashProgrammer, and type cmd to get into the Dos window.

2 22 22 23							- 1
- CMD					< 4 300	Bibbouchon Hath	, e
2480_V.3.1.6_20200711 #	AdJax dil AdJax dil John Statistic field, usorid bin MA-1242-UNS18n-Customer-Module Evaluation: Tool Ian IN-AN-1242-US2W051-Customer-Module-Evaluation-Tool Ian IN-AN-1432-US2W051-Customer-Module-Evaluation-Tool Ian	1000/4/13_2=1011 1000/4/13_2=1011 1000/0/26 T=0518 20005/17=0551	A DECAT Seven Seven Seven Seven Seven	2050) - 10- - 11-0			
OreDrive	 Biggr, a., dw2-1. dil pakurum. di programmer.dil no 0.004165 km klash kan kum kin 	1010/5/28 1 40 07 18 1019/5/28 7 40 07 15 1019/11/16 2 40 02 02 1000/118 7 40 02 02	國內發出現代 國內發出與利 國內發出與利 同時發出	110.98 116.88 072.848			
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= 半規編項(E) = 半規編項(F) = 生規編項(G) (D) = (2)規(A) Wassingle							
CD THEN (I) Warmhale Deployment Wormhole.spp							
4 4 to							



- 3. Key in
- ZIGBEE IMAGE:
- DK6Programmer.exe -s com6 -p JN-AN-1242-JN518x-Customer-Module-Evaluation-Tool.bin > BLE IMAGE:
 - DK6Programmer.exe -s com6 -p qn9090dk6_hci_black_box_bm.bin

*You must note the step. If you key in the format before getting into download mode

(DK6Programmer.exe -s com6 -p JN-AN-1242-JN518x-Customer-Module-Evaluation-Tool.bin), you need to keep holding the ISP button and Reset button, and then release the ISP button after releasing the reset button.

To open the tool and download the image file (com6 is your DUT J9 COM port)



4. Select Y

系統管理員: C:\Windows\System32\cm	nd.exe - DK6Programmer.exe -s com6 -p JN-AN-1242-JN518x-Customer-Module-Evaluation-Tool.bin —		×
LONE			
Detected JN5189. WARNING: Boot Partial erase required on memo	tloader in device is out of date. See application note JN-AN-1263 or contact s ory FLASH, addr=0x000000000, length=69676 Confirm Operation (COM6)	upport fo	r
	The area to erase is not an exact multiple of the erase block size. Erase data from 0x00000000 to 0x00011200?		
	V / N		
	· · · · ·		



5. Finish

🚾 条統管理員: C:\Windows\System32\cmd.exe - DK6Programmer.exe -s com6 -p JN-AN-1242-JN518x-Customer-Module-Evaluation-Tool.bin 🛛 🦳 🗌

 \times

COM6 Detected JN5189. WARNING: Bootloader in device is out of date. See application note JN-AN-1263 or contact support for Memory programmed successfully [[______] 100%

Operations Complete
Press any key
11000 (11) 10)

	AzureWave		
	AzureWave Technologies, Inc.		
3.	 3. Test mode(In Zigbee) 1. Open the Tera Term 2. Select setup → Serial port Setting COM port (J9 com port) Baud rate is 115200 Select setup → Terminal Receive - select LF Transmit - select CR+I F 		
	Tera Term - [disconnected] VT – □ × File Edit Setup Control Window Resize Help	COM5 115200blaud - Tera Term VT File Edit Setup Control Window Resize	- D)
		Terminal size	
	Port: COM6 ~ OK	96 X 37 Receive	e: LF v
	Baud rate: 115200 ~	✓ Term size = win size Transm	it: CB+LE ~ Cancel
	Data: 8 bit ~ Cancel	Auto window resize	
	Parity: none ~	Terminal ID: VT100 VII a	Help
	Stop: 1 bit ~ Help		to cwitch O(TZ->TEK)
	Flow control: none ~	Kanii (receive) Kanii (transmit)	ID SWIICH (VIX-VIEN)
	Transmit delay	UTF-8 V UTF-8 V	Kanji-in: "JSB
		71.0.1.0.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	Kami-out: *00
	u msec(char u msec(line	/ Dit katakana / Dit katakana	teault must fite

X



4. Select a) standard module

Customer Module Evaluation Tool Version 2038 Compiled Feb 28 2020 10:23:14 ж ж ж ж ж ж Radio Test version 2041 Radio Driver version 2085 Chip ID 000e2111 ж ж ж ж ж ж a) Standard Module b) High Power Module (RFIX/RFRX on PI04/5) c) High Power Module (RFIX/RFRX on PI020/21) /) Reset CMET Please choose an option > A Standard Module Selected ZigBee Mode ж ж 5. Select a) Regular



- 6. Customer Module Evaluation Tool (main menu)
 - Select "g" trigger packet test (Rx test)
 - Select "I" transmit packet test (Tx test)

- 1. RX test (Select g)
 - $g \rightarrow$ Start test (start to receive the package)
 - +/- \rightarrow Increment or decrement channel
 - $X \rightarrow$ Return to main menu
 - /→Reset

```
******
* Key
                      Function
                                                                      ¥
ж
                                                                      ж
          Increment Channel
Decrement Channel
Increment Repetitions
Decrement Repetitions
Increase Trigger Delay
Decrease Trigger Delay
ж
     +
                                                                      ж
¥
                                                                      ¥
     コロンく
¥
¥
¥
¥
          Go
Return to main menu
Return to root menu
    9×/
ж
¥
×
¥
   Note:
ж
* Note:

* Connect pin DIO2 to the trigger *

* !!!!! Trig on RAISING edge !!!!! *

* input on the signal generator *

*****
Channel 11
Repetitions 100
Irigger delay 1 mS
                                   (2.405 GHz)
```



- 2. TX test (Select i)
 - +/- \rightarrow Can control the channel
 - $F \rightarrow$ Fast transmit rate (fast transmit can help modulation to catch signal)
 - $X \rightarrow$ Return to main menu
 - /→Reset

```
*****
   Transmit Packet Test In Progress
ж
                                            ж
* Slow Rate (~1 Pkt/sec) *
* Key
              Function
                                             ж
ж
                                            ж
      Faster transmit rate
Lower transmit rate
Increment Channel
Decrement Channel
   f
ж
                                            ж
ж
                                             ж
¥
   ÷
                                             ж
Ж
   _
                                             ж
   Ş
      Reduce output power by 0.25 dBm *
Increase output power by 0.25 dBm *
ж
ж
¥
   β
      Reduce power step
                                             ж
ж
                                            ж
      Increase power step
ж
   ×
      Return to main menu
                                             ж
ж
      Return to root menu
                                             ж
ж
                                             ¥
11 (2.405 GHz)
10.00 dBm
00:15:8D:00:04:A5:A8:3F
Channel
Power Level
MAC Address
Packets Sent 9
             _____
```



Select Internal or External NTAG

• Select a) internal NTAG

NTAG Tests (Internal)

- Select a) read contents of EEPROM
- Select b) write data to EEPROM



Can read the NFC MAC in Block 0: 04830C3AE26180

COM6:115200baud - Tera Term VT		- 0	×
File Edit Setup Control Window Resize Help			
* NTAG Tests (Internal) *			*
a) Read contents of EEPROM			
b) Write data to EEPRUM c) Reset NIAG address to 0x55			
d) Monitor FD pin			
e) lest FD pin Wake up			
2) Return to root menu			
Please choose an option XA			
Found The Second S	-		
Block 0: 04 83 0c 3a e2 61 80 00 44 00 00 00 00 00 00 00 00			
Black 2: 88 86 86 86 88 88 88 88 88 88 88 88 88			
Block 3: 00 00 00 00 00 00 00 00 00 00 00 00 00			
Block 6: 00 00 00 00 00 00 00 00 00 00 00 00 00			
Block 3: 00 00 00 00 00 00 00 00 00 00 00 00 00			
<u>Block</u> <u>3</u> ; ởã ởã ởã đã			
Block 10: 00 00 00 00 00 00 00 00 00 00 00 00 0			
Block 13: 00 00 00 00 00 00 00 00 00 00 00 00 00			
Block 16: 00 00 00 00 00 00 00 00 00 00 00 00 00			
Block 17: 00 00 00 00 00 00 00 00 00 00 00 00 00			
Bieck 19: 00 00 00 00 00 00 00 00 00 00 00 00 00			
Block 20: 00 00 00 00 00 00 00 00 00 00 00 00 0			

Open the NFC Taginfo on you smart phone, and scan the NFC, Then you will get the information from NFC.

ils	Karata 40 <a>Karata 40 <a>Karata 40 <a>Karata 40 <a>Karata 40	Close No NDEF Records	NFC Taginta	Settings	NFC Taginfo	History
0x048300345261	TAG DETAILS	NTAG I2C Plus				
NXP Semiconducto	IC Manufacturer		-			
NTA	IC Type		465	>		
80.	IC Subtype		可進行掃描			
I2C Pl	IC Name					
2048 Byte	Memory					
S014443	Technologies supported			ch	Scan & Launch	
Dod	Major Version		Hold iPhone near a NFC Tag to scan			_
OxO	Minor Version	115	取消	N	Scan & Show	
		Late-		0		W



Use this test to write data to EEPROM, Format is:

1:0 1 2 3 4 5 6 7 8 9 A B C D E F

Programs 0 to F in block 1

a) Read contents of EEPROM b) Write data to EEPROM c) Reset NTAG address to 0x55 d) Monitor FD pin e) Test FD pin Wake up x) Return to main menu /) Return to root menu

Please choose an option > Using Address: 0x55 Enter Data to Program:1:0 1 2 3 4 5 6 7 8 9 0 A B C D E F□

Check the Format again.

* NTAG Tests (Internal) * *

a) Read contents of EEPROM b) Write data to EEPROM c) Reset NTAG address to 0x55 d) Monitor FD pin e) Test FD pin Wake up x) Return to main menu /) Return to root menu

Please choose an option >

Found	NTAG	120	a	ddre	255	: 0>	<55										
Block	0:	Ø4	83	0c	3a	P7	61	80	00	44	ØØ	aa	aa	aa	00	00	00
Block	1:	00	01	02	03	04	05	06	07	08	09	0a	Øb	0c	Ød	0e	Øf
Block	5:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Block	4:	õõ	õõ	00	00	ØØ	00	00	õõ	ØØ	00	00	00	00	õõ	00	õõ
Block	5:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00



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	👔 mbt_setup.ini	2020/7/21 下午 0	組態設定	1 KB	
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n the mbt MBT_TRA DOWNLO APPLICA	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 \TION_ BAUDRATE=11	r DUT COM port J9 200 15200)		
en the mbt MBT_TR DOWNLO APPLICA Enable_D	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_ BAUDRATE=11 Debug_Message=1	r DUT COM port J9 200 15200)		
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en the mbt MBT_TR/ DOWNLO APPLICA Enable_D DOWNLO [Solution]	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_ BAUDRATE=11 Debug_Message=1 DAD_DELAY = 50	r DUT COM port J9 200 15200)		
en the mbt MBT_TR/ DOWNLO APPLICA Enable_D DOWNLO Solution] Type=2	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_ BAUDRATE=11 Debug_Message=1 DAD_DELAY = 50	r DUT COM port J9 200 15200)		
n the mbt MBT_TR, DOWNLC APPLICA Enable_[DOWNLC Solution] Jype=2 p.ini - 記事本	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_ BAUDRATE=11 Debug_Message=1	r DUT COM port J9 200 15200) 	×	
en the mbt MBT_TRA DOWNLO APPLICA Enable_D DOWNLO Solution] Type=2 up.ini - 記事本 щ(E) 格式(O) 和	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_ BAUDRATE=11 Debug_Message=1 DAD_DELAY = 50	r DUT COM port J9 200 15200) 	×	
en the mbt MBT_TRA DOWNLO APPLICA Enable_D DOWNLO [Solution] Type=2 etup.ini - 記事本 Щ(E) 格式(O) t	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_ BAUDRATE=11 Debug_Message=1 DAD_DELAY = 50	r DUT COM port J9 200 15200) - □	×	
n the mbt MBT_TRA DOWNLO APPLICA Enable_D DOWNLO Solution] ype=2 p.ni - 記事本 (E) 檜式(O) t DRT=C0M3 AUDRATE=1152	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_BAUDRATE=11 Debug_Message=1 DAD_DELAY = 50	r DUT COM port J9 200 15200) - □	×	
n the mbt MBT_TRA DOWNLC APPLICA Enable_E DOWNLC Solution] ype=2 p.ini - 記事本 (E) 格式(0) 和 IUDRATE=1152 (BAUDRATE=1152 (BAUDRATE=1152) (BAUDRATE=1152)	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_ BAUDRATE=11 Debug_Message=1 DAD_DELAY = 50	r DUT COM port J9 200 15200) - □	×	
n the mbt MBT_TRA DOWNLO APPLICA Enable_D DOWNLO Solution] ype=2 p.ini - 記事本 i(E) 格式(O) t ORT=COM3 AUDRATE=1152 N_BAUDRATE=1 ug_Message=1	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_BAUDRATE=11 Debug_Message=1 DAD_DELAY = 50	r DUT COM port J9 200 15200) 	×	
en the mbt MBT_TR, DOWNLC APPLICA Enable_E DOWNLC Solution] Type=2 up.ini - 記事本 c(E) 格式(O) t PORT=COM3 3AUDRATE=1152 NB_AUDRATE=1 up_Message=1)ELAY = 50	_setup.ini ANSPORT=COM3 (you DAD_BAUDRATE=1152 TION_ BAUDRATE=11 Debug_Message=1 DAD_DELAY = 50	r DUT COM port J9 200 15200) 	×	

; 2 = Atmosic and NXP





4. Key in mbt.exe

Imm 系統管理員: C:\Windows\System32\cmd.exe	_	X
Microsoft Windows [版本 10.0.17763.1039] (c) 2018 Microsoft Corporation. 著作權所有,並保留一切權利。		Â
C:\Users\shihhua\Desktop\mbt>mbt.exe		



5. Main menu

If you need more information, please key in mbt help.

■ 朱符智慧:C:\Windows\System32\cmd.exe Send HCI Success Success ** mbt command finish ** C:\Users\shihhua\Desktop\mbt>mbt help HBT TRANSPORT: COM3 DOWNLOAD BAUDRATE: 115200 APPLICATION BAUDRATE: 115200 Usage: mbt le_transmitter_test <tx_channel> Usage: mbt le_transmitter_test <tx_channel> Usage: mbt le_transmitter_test <tx_channel> Usage: mbt le_transmitter_test <tx_channel> Usage: mbt receive_only <rx_frequency> Usage: mbt redio_tx_test <bd_addr> Usage: mbt radio_tx_test <bd_addr> <frequency> <modulation_type> <logical_channel> <bb_packet_type> <packet_length> Usage: mbt radio_tx_test <bd_addr> <frequency> <modulation_type> <logical_channel> <bb_packet_type> <packet_length> Usage: mbt download <hcd_pathname> Check Bluetooth Core 4.1 spec vol. 2 Sections 7.8.28-7.2.30 for details of LE Transmitter and Receiver tests ** mbt command finish ** C:\Users\shihhua\Desktop\mbt>

6. Key in mbt reset

Make sure the DUT have been reset.

C:\Users\shihhua\Desktop\mbt>mbt reset MBT_TRANSPORT: COM3 DOWNLOAD_BAUDRATE: 115200 APPLICATION_BAUDRATE: 115200 Sending HCI Command: 0000 < 03 OC 00 > Received HCI Event: 0000 < 0E 04 05 03 OC 00 > Send HCI Success Success ** mbt command finish ** C:\Users\shihhua\Desktop\mbt>



FCC Statement

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.

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.

IMPORTANT NOTE:

This module is intended for OEM integrator. This module is only FCC authorized for the specific rule parts listed on the grant, and that 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. The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.

Additional testing and certification may be necessary when multiple modules are used.

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the FCC radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

USERS MANUAL OF THE END PRODUCT:

In the users manual of the end product, the end user has to be informed to keep at least 20cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the FCC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied.

The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

This device complies with Part 15 of 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.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: TLZ-CU484 ".

This device complies with Part 15 of 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.

AzureWave Technologies, Inc.

AzureWave

Antenna Information

Ant.	Brand	Model Name	Antenna Type	Gain (dBi)
1	LYNwave	ALX20M-052AA1	PIFA Antenna	2.8

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.

Cet appareil contient des émetteurs / récepteurs exempts de licence qui sont conformes au (x) RSS (s) exemptés de licence d'Innovation, Sciences et Développement économique Canada. L'opération est soumise aux deux conditions suivantes:

(1) Cet appareil ne doit pas provoquer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 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. Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

IMPORTANT NOTE:

This module is intended for OEM integrator. The OEM integrator is responsible for the compliance to all the rules that apply to the product into which this certified RF module is integrated.

Additional testing and certification may be necessary when multiple modules are used.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

USERS MANUAL OF THE END PRODUCT:

In the users manual of the end product, the end user has to be informed to keep at least 20cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the IC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied.

The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. 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.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains IC: 6100A-CU484 ". The Host Model Number (HMN) must be indicated at any location on the exterior of the end product or product packaging or product literature which shall be available with the end product or online.