

Embedded Wireless IoT Solution



2022

Elevating Businesses with
Enhanced Connectivity



Downloadable
Marketing Resources



A Connected Future: AIoT Enrich your products with wireless connected IoT

A Connected Future: Artificial Intelligence of Things (AIoT) From IoT to AIoT – First step is to enrich your products with wireless connected IoT

The penetration of IoT (Internet of Things) technology into various industries is already an ongoing and rapidly spreading process. IoT is rapidly increasing in consumer electronics, manufacturing, logistics, retail, medical and other commercial applications. In addition, in recent years, artificial intelligence (AI) and IoT have become closer to each other, The new application type "AIoT (Artificial Intelligence Internet of Things)" emerged and is taking over across industries. AIoT innovation is accelerating forward and promises to lead us into a even more connected future.

With the technologies and evolving trends makes connected devices a norm. With that said, if your products are not IoT ready, it is about time. You no longer need to spend excessively on R&D resources or waste your time away. Get rid of cable restrictions and go wireless, seek for a great partner such as EDIMAX.

EDIMAX hardware and software are designed to be used with ease. We are here to make things simple for you, saving you cost and time, so you can focus on the important things, which is making your products great.

Making integration simple for IoT application is our ultimate goal. Learn how EDIMAX have simplified this process to advance your application to the next level with wireless technology.

01 Rich Wireless Product Selection



Most USB adapters are available and utilizes most well-known chipset makers to offer the best features from Wi-Fi to Bluetooth connectivity. The option is all yours.

02 Time-To-Market One-Stop Service



EDIMAX takes Short Time-To-Market very seriously, offering One-Stop Service from inquiry, testing, mass production to minimize hassle and speed up the lead-time without sacrificing quality.

03 Reliable & Stable Performance



Through strict and rigorous system performance testing, EDIMAX can produce high and stable performance throughout the production process, insuring steady wireless data transmissions.

04 World-Class Multiple Certifications



EDIMAX is one of the few that offers products with multiple worldwide certifications to reduce your cost of development. Meeting quality and regulation that you are seeking for.

Your Industry, Our Solution. AIoT & IIoT Implementation.

Ideas Anywhere, Wi-Fi Everywhere! Let's go wireless.
Find out what embedded wireless adapters can do for your AIoT/IIoT devices.



Plug, Connect, and Go Wireless. Designed-In Service, Built The Right Fit.

EDIMAX offers a one-stop service for diverse industries with customer-centric designed wireless adapters. In order to address the AIoT, IIoT market, EDIMAX embedded solution can be integrated with different types of wireless data acquisition solutions.

<p>802.11 ac/a/b/g/n</p>	<p>Multi Protocol (Combo)</p>	<p>Wireless Driver Integration</p>	<p>RF Certification</p>	<p>Wi-Fi + Bluetooth Modules</p>	<p>Bluetooth 5.0</p>
<p>Ultra Small Size</p>	<p>Integrated Antenna</p>	<p>Optimal Antenna Design</p>	<p>Wireless System Performance Tuning</p>	<p>High Throughput Series</p>	<p>Smart Mobility Series</p>

Short Time-To-Market Flow

Inquiry	Product Selection	System Performance Check	RF Certification	Production
<ul style="list-style-type: none"> Platform OS Linux Kernel Version Wi-Fi Function Requirement Wi-Fi Certification Requirement 	<ul style="list-style-type: none"> Wi-Fi 11ac Dual-Band: AC1750/ AC1200/ AC600 Wi-Fi 11n: N300/ N150 Wi-Fi + BT 4.0 BT 5.0 	<ul style="list-style-type: none"> Wi-Fi Adapter Driver for Integration & Testing Support - Wi-Fi Performance - Throughput - Total Radiation Power - Receiving Sensitivity - Radiation Pattern 	<ul style="list-style-type: none"> Mandatory: FCC/ IC/ CE/ MIC/ SRRC/ CCC/ NCC, etc. Testing Tools & SOP Support 	<ul style="list-style-type: none"> Production Support

Wireless USB Adapter Product Selection

Wi-Fi 5 11ac							
	EW-7833UAC	EW-7822UAC	EW-7822ULC	EW-7822UAD	EW-7822UTC	EW-7811ULC	EW-7811UTC
Performance							
Speed	1300Mbps + 450Mbps	867Mbps + 300Mbps	867Mbps + 300Mbps	867Mbps + 300Mbps	867Mbps + 300Mbps	433Mbps+150Mbps	433Mbps + 150Mbps
Bands	Dual-Band 5GHz or 2.4GHz	Dual-Band 5GHz or 2.4GHz	Dual-Band 5GHz or 2.4GHz	Dual-Band 5GHz or 2.4GHz	Dual-Band 5GHz or 2.4GHz	Dual-Band 5GHz or 2.4GHz	Dual-Band 5GHz or 2.4GHz
Antenna	2 Internal + 1 External 180° Adjustable Foldaway Onboard 2x 3dBi (2.4GHz), 2x 4dBi (5GHz) EXT 1x 2dBi (2.4GHz), 1x 2dBi (5GHz)	1 Internal + 1 External 180° Adjustable Foldaway Onboard 1x 2dBi (2.4GHz) EXT 1x 2dBi (2.4GHz), 1x 2dBi (5GHz)	2 Internal PIFA 2.4GHz : 1.8dBi 5GHz : 2.7dBi	2 External PIFA 2.4GHz : 2dBi 5GHz : 4.4dBi	2 Internal PIFA 2.4GHz : 2.5dBi 5GHz : 3.3dBi	Internal PIFA 2.4GHz:2dBi 5GHz:4dBi	Internal PIFA 2.4GHz : 2dBi 5GHz : 4dBi
USB Standard	USB 3.0	USB 3.0	USB 2.0	USB 3.0	USB 3.0	USB 2.0	USB 2.0
Certification							
Report List	<ul style="list-style-type: none"> • CE (European Union) • FCC (U.S) • MIC (Japan) • IMDA (Singapore) 	<ul style="list-style-type: none"> • CE (European Union) • FCC (U.S) • IC (Canada) • IMDA (Singapore) • WPC (India) 	<ul style="list-style-type: none"> • CE (European Union) • FCC (U.S) • IC (Canada) • IMDA (Singapore) • BSMI (Taiwan) • SUBTEL (Chile) • CRC (Colombia) • NBTC (Thailand) • MIC/VCCI (Japan) • OFCA (HONG KONG) • WPC (India) • NTC (Philippines) • SRRC (China) • CITC (Saudi Arabia) • SIRIM (Malaysia) • RCM (Australia & New Zealand) • Anatel (Brazil) • Exemption Letter (Vietnam) 	<ul style="list-style-type: none"> • CE (European Union) • FCC (U.S) • NCC (Taiwan) • BSMI (Taiwan) 	<ul style="list-style-type: none"> • FCC (U.S) • IMDA (Singapore) 	<ul style="list-style-type: none"> • CE (European Union) • FCC (U.S) 	<ul style="list-style-type: none"> • CE (European Union) • FCC (U.S) • IC (Canada) • IMDA (Singapore) • NCC (Taiwan) • BSMI (Taiwan) • CITRA (Kuwait) • ICT Qatar (Qatar) • CITC (Saudi Arabia) • RCM (Australia & New Zealand) • CRC (Colombia)

	Wi-Fi 5 11ac		Wi-Fi 4 11n		Wi-Fi 5/4 & Bluetooth		Bluetooth
	EW-7811UAC	EW-7811DAC	EW-7722UTn V3	EW-7811Un V2	EW-7611UCB	EW-7611ULB V2	BT-8500
Performance							
Speed	433Mbps + 150Mbps	433Mbps + 150Mbps	300Mbps	150Mbps	Wi-Fi: 433Mbps+150Mbps BT: 1Mbps	Wi-Fi: 150Mbps BT: 1Mbps	3Mbps (class BT-BR/EDR) & 2Mbps (BLE)
Bands	Dual-Band 5GHz or 2.4GHz	Dual-Band 5GHz or 2.4GHz	2.4GHz	2.4GHz	Dual-Band 5GHz or 2.4GHz + BT 4.0	2.4GHz + BT 4.2	BT 5.0
Antenna	External Dipole 2.4GHz : 4dBi 5GHz : 6dBi	External Directional 2.4GHz : 5dBi 5GHz : 7dBi	Internal PIFA, 1.3dBi	Internal PIFA, 2.3dBi	Internal PIFA 2.4GHz : 1.8dBi 5GHz : 2.7dBi	Internal PIFA, 1.6dBi	Internal PIFA, 2.3dBi
USB Standard	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Certification							
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