

# Embedded Wireless Adapter Solution

AIoT & IIoT Implementation



Downloadable  
Marketing Resources



**AI** is the future of wireless technology. EDIMAX embedded wireless solutions are helping products across multiple industries to achieve their goals in creating mobile smart AI devices. AI mobility is made possible due to the compact size and highly compatible embedded solutions EDIMAX has to offers.

We work with a variety of leading industries across the world, providing embedded solutions that are cost effective, versatile, stable and durable. Take a further look at how EDIMAX can take your product into the future.

## Let's Go Wireless

### Replacements

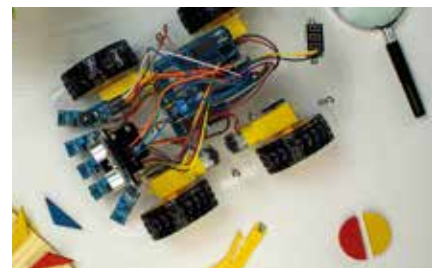
Need any embedded replacement? Is your current device facing issues with wireless connectivity, customization, size restrictions etc? Many brands choose EDIMAX as embedded substitutes for better performance, compatibility, flexibility and reliability.

### Integration

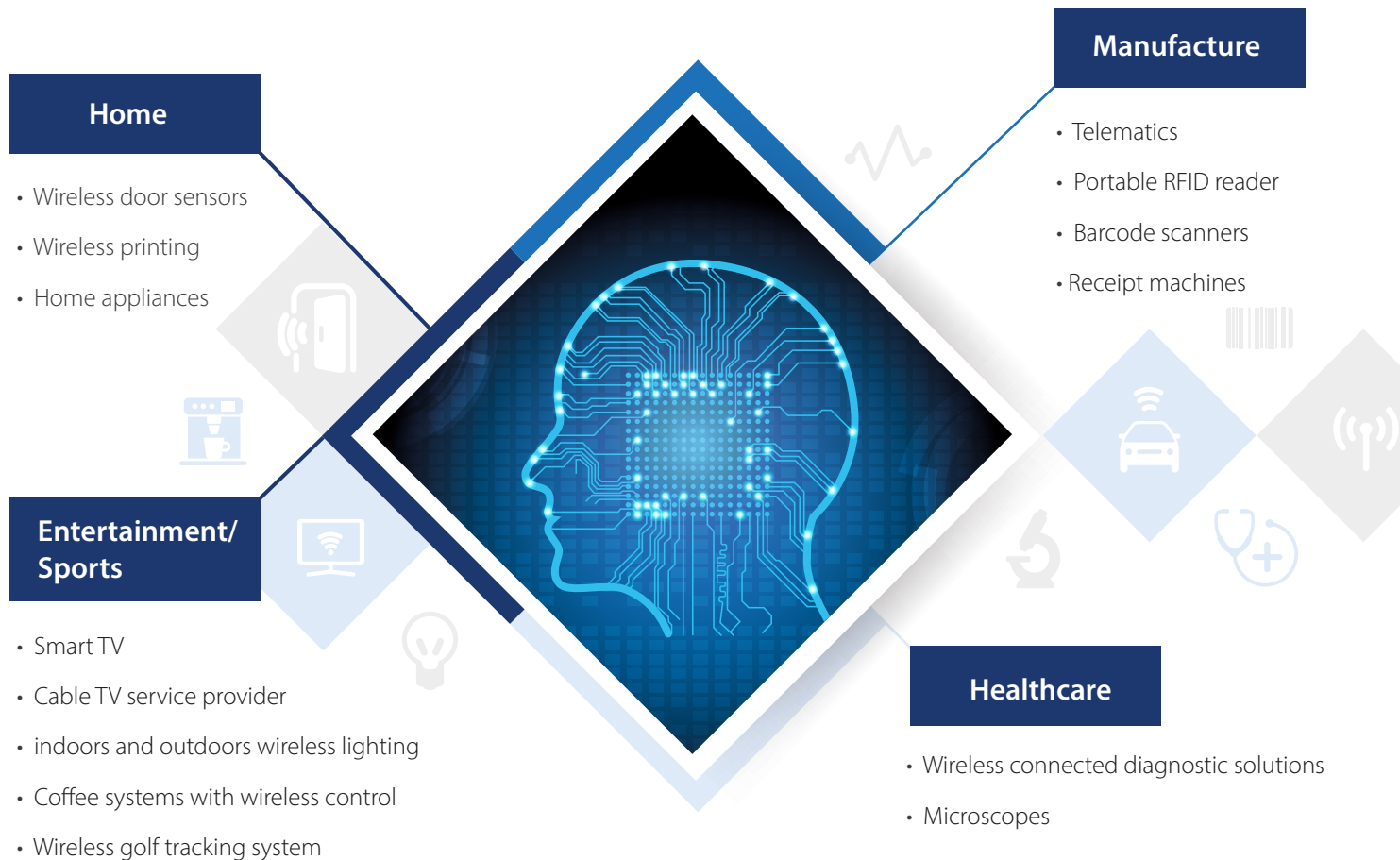
Have a product that needs wireless connectivity, which is small, powerful and easy to integrate? There are many innovative products made from an array of industry leaders and startups that are using EDIMAX embedded solutions to complete their products. You will find endless embedded possibilities such as wireless coffee machines to large scrubber driers and more.

### Wireless set bundle

Bundled with other wireless products from various brands in order to offer a complete wireless suit. A Renowned distributor includes the EW-7833UAC as part of the bundle.



# Products and Solutions



## Short Time-To-Market Flow

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

# Wireless Adapters

Wi-Fi 5 11ac							
	EW-7833UAC	EW-7822UAC	EW-7822UTC	EW-7822ULC	EW-7811UTC	EW-7811UAC	EW-7811DAC
							
Performance							
Speed	1300Mbps + 450Mbps	867Mbps + 300Mbps	867Mbps + 300Mbps	867Mbps + 300Mbps	433Mbps + 150Mbps	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	1 Internal + 1 External	2 Internal	2 Internal	Internal	External	External
	180° Adjustable Foldaway	180° Adjustable Foldaway				Oimi 4dBi (2.4GHz) & 6dBi (5GHz)	Oimi 5dBi (2.4GHz) & 7dBi (5GHz)
USB Interface	USB 3.0	USB 3.0	USB 3.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Certification							
Report List	<ul style="list-style-type: none"> <li>•CE (Europe)</li> <li>•FCC (U.S)</li> <li>•IMDA (Singapore)</li> <li>•VCCI / TELEC (Japan)</li> </ul>	<ul style="list-style-type: none"> <li>•CE / RED (Europe)</li> <li>•FCC (U.S)</li> <li>•IC (Canada)</li> </ul>	<ul style="list-style-type: none"> <li>•FCC (U.S)</li> </ul>	<ul style="list-style-type: none"> <li>•CE / RED (Europe)</li> <li>•FCC (U.S)</li> <li>•IC (Canada)</li> <li>•IMDA (Singapore)</li> <li>•BSMI / NCC (TW)</li> </ul>	<ul style="list-style-type: none"> <li>•CE / RED (Europe)</li> <li>•FCC (U.S)</li> <li>•IC (Canada)</li> <li>•IMDA (Singapore)</li> </ul>	<ul style="list-style-type: none"> <li>•CE (Europe)</li> <li>•FCC (U.S)</li> <li>•IC (Canada)</li> <li>•IMDA (Singapore)</li> </ul>	<ul style="list-style-type: none"> <li>•CE (Europe)</li> <li>•FCC (U.S)</li> <li>•IC (Canada)</li> <li>•IMDA (Singapore)</li> </ul>

	Wi-Fi 4 11n			Wi-Fi 5/4 & Bluetooth		Bluetooth
	EW-7722UTn V3	EW-7612UAn V2	EW-7811Un V2	EW-7611UCB	EW-7611ULB	BT-8500
						 <b>New</b>
Performance						
Speed	300Mbps	300Mbps	150Mbps	Wi-Fi: 433Mbps + 150Mbps BT: 1Mbps	Wi-Fi: 150Mbps BT: 1Mbps	3Mbps (class BT-BR/EDR) & 2Mbps (BLE)
Bands	2.4GHz	2.4GHz	2.4GHz	Dual-Band 5GHz or 2.4GHz + BT4.0	2.4GHz + BT4.0	BT 5.0
Antenna	Internal	External	Internal	Internal	Internal	Internal
		Oimi 3dBi (2.4GHz)				
USB Interface	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Certification						
Report List	<ul style="list-style-type: none"><li>•CE / RED (Europe)</li><li>•FCC (U.S)</li></ul>	<ul style="list-style-type: none"><li>•CE / RED (Europe)</li><li>•FCC (U.S)</li><li>•BSMI / NCC (TW)</li><li>•RCM (Australia &amp; New Zealand)</li></ul>	<ul style="list-style-type: none"><li>•CE / RED (Europe)</li><li>•FCC (U.S)</li><li>•BSMI / NCC (TW)</li></ul>	<ul style="list-style-type: none"><li>•CE (Europe)</li></ul>	<ul style="list-style-type: none"><li>•CE / RED (Europe)</li><li>•FCC (U.S)</li><li>•IC (Canada)</li><li>•MIC &amp; VCCI (Japan)</li><li>•IMDA (Singapore)</li><li>•BQB (Europe Bluetooth)</li><li>•RCM (Australia &amp; New Zealand)</li><li>•SRRC (China)</li><li>•KC (Korea)</li><li>•ICASA (South Africa)</li><li>•NTRA (Egypt)</li><li>•WPC (India)</li><li>•CITC (Saudi Arabia)</li><li>•TRA (Bahrain)</li><li>•TRA (OMAN)</li><li>•ict Qatar License (Qatar)</li><li>•Anatel (Brazil)</li><li>•Kuwait</li><li>•BSMI / NCC (TW)</li></ul>	<ul style="list-style-type: none"><li>•CE</li><li>•FCC</li><li>•NCC</li><li>•BSMI</li><li>•BQB</li></ul>



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