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About Us

EmWicon Corporation specialized in Wi-Fi communication for industrial, enterprise, medical, automation, and defense applications to have user experience with easy design in and we offered worldwide leading Wi-Fi technology.

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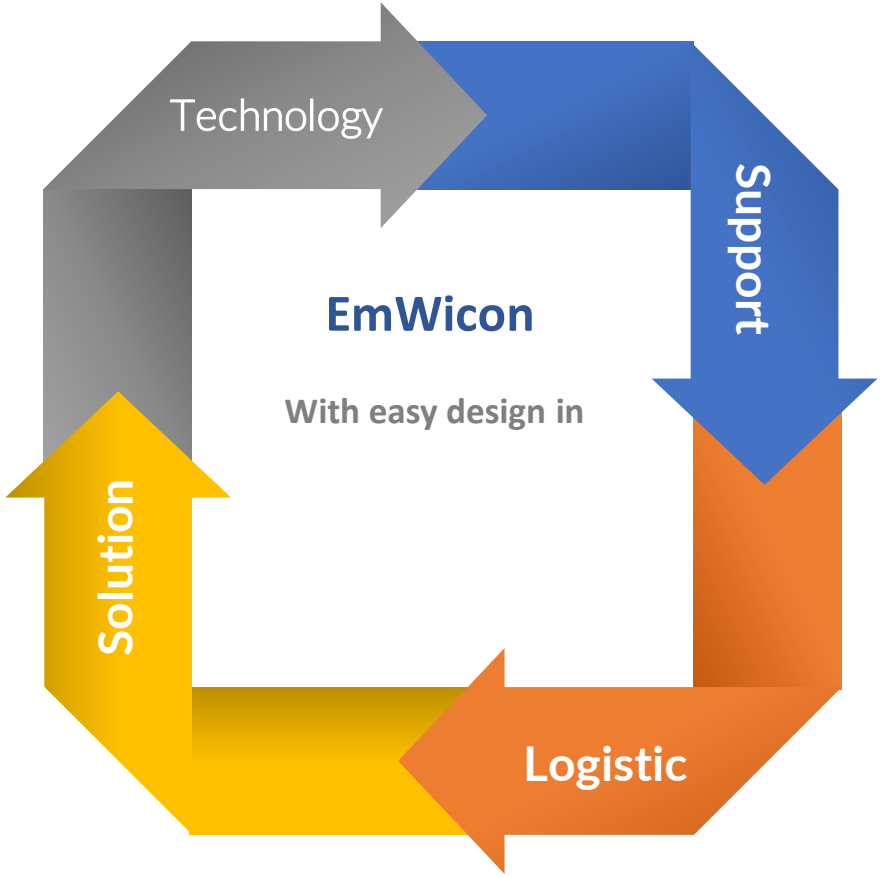
Why EmWicon?

Design for market trend

Wi-Fi 6E
Wi-Fi 6
Wi-Fi 5
Wi-Fi 4

Variety of Form Factor

Industrial / Commercial Grade
Mini PCIe
M.2
USB



Support

Hardware
Software Porting
Certification consulting

Logistic

Forecast planning
Stock available
Fast delivery

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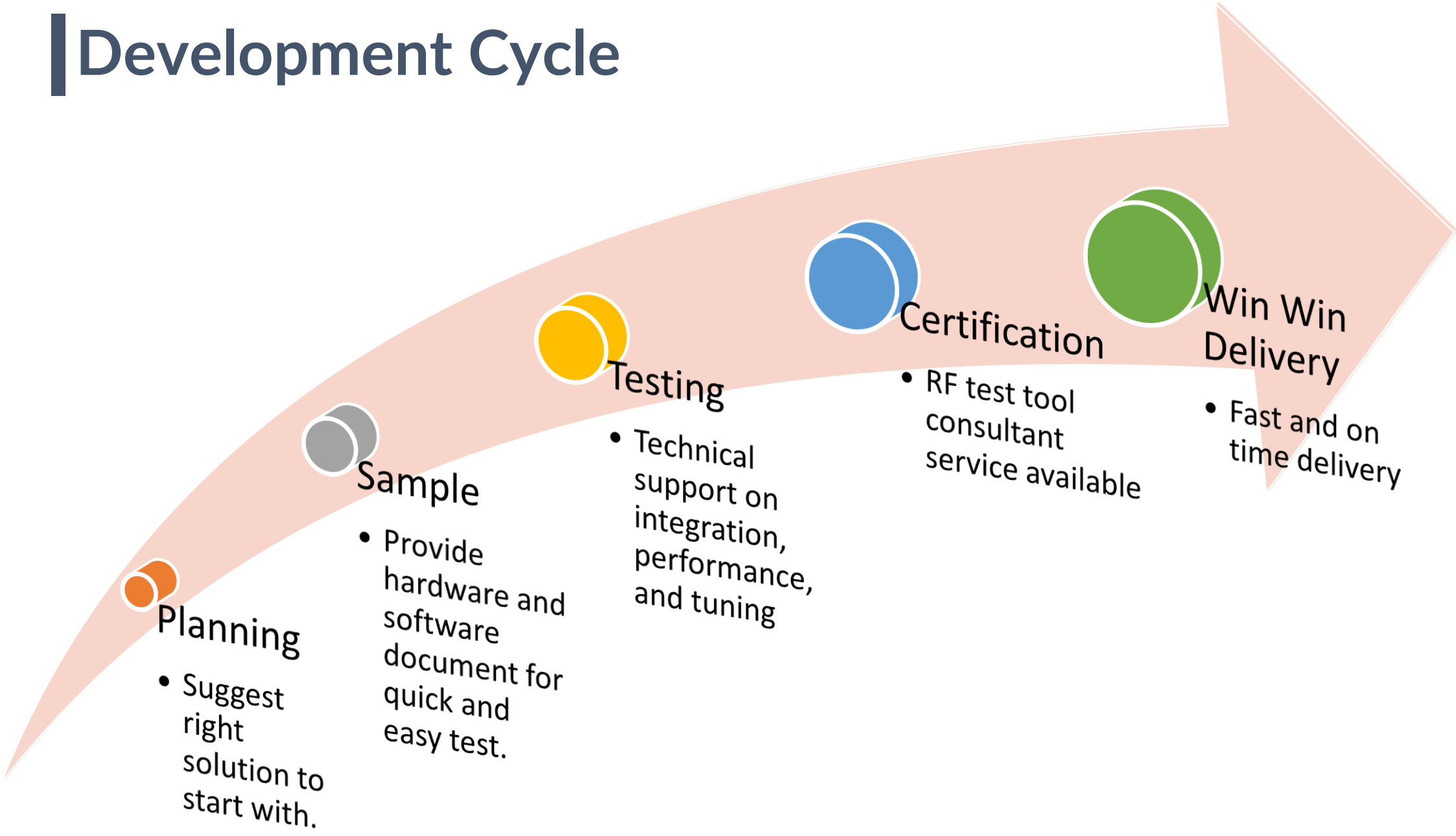
Development Cycle



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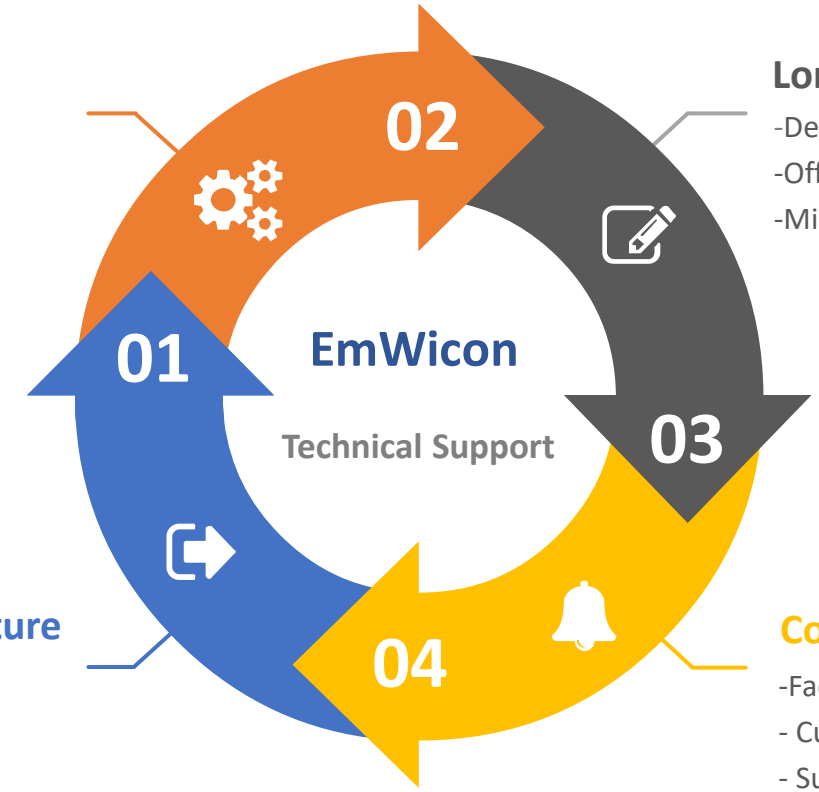
Technical Support

Strong Technical Service

-Full Scale Firmware Porting
-Certification Test Supports
-Special Feature Function Test
-RF test tool consultant service available



Longevity in Supply

-Designed for longevity
-Offer longest product life
-Minimize End of Life impact

Robust Design Manufacture

-In house RF Design Expertise
-Strong RF and Firmware Eng.
-Quality Focus Manufacturing

Complete Certification

-Factory offered FCC/CE/IC
- Custom Specified Certification
- Support SAR/UL needs

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Our Manufacturing

PCA
PARTNERS CERTIFICATE ASSURANCE

Certificate

ISO 13485 : 2016

Emwicon Corporation
7F.-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

This certificate shows that the medical devices - quality management system (EN ISO 13485:2016) of the above company was approved by PCA Certification for the following scope, the validity of the certificate depends on the company's pass the annual surveillance audits and company's maintenance the related management system conditions according to international accreditation criteria

SCOPE

Design, development, production, sales and distribution of pulse detector and recorder monitoring system

GROUP CODE
8

Certificate No	: TC-7538
Registration Date	: 06.01.2021
Reissue Date	:
Expiry Date	: 05.01.2022
Certificate Period	: 3 Years (From the date of registration)
Exclusion	: 7.5.3/7.5.5/7.5.7/7.5.9.2

IAS ACCREDITED
Management Systems Certification Body
MSCB-103

PCA Certification Approval

PCA Sertifikasyon Hizmetleri Limited Şirketi
Orta Mah. Ordu Sk. İzpark C Blok No:26/23 Kartal / İSTANBUL
Tel: +90 216 510 63 48-49 Pbx Faks: +90 216 517 63 49
www.pca-tr.com info@pca-tr.com

FR.66 Rev.4

PCA
PARTNERS CERTIFICATE ASSURANCE

Certificate

ISO 9001 : 2015

Emwicon Corporation
7F.-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

This certificate shows that the quality management system of the above company was approved by PCA Certification for the following scope, the validity of the certificate depends on the company's pass the annual surveillance audits and company's maintenance the related management system conditions according to international accreditation criteria.

SCOPE

Design, development, production, sales and distribution of wireless communication product and pulse detector and recorder monitoring system

EA CODE
19-33

Certificate No	: KY-27372
Registration Date	: 06.01.2021
Reissue Date	:
Expiry Date	: 05.01.2022
Certificate Period	: 3 Years (From the date of registration)
Exclusion	:

IAS ACCREDITED
Management Systems Certification Body
MSCB-103

PCA Certification Approval

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Orta Mah. Ordu Sk. İzpark C Blok No:26/23 Kartal / İSTANBUL
Tel: +90 216 510 63 48-49 Pbx Faks: +90 216 517 63 49
www.pca-tr.com info@pca-tr.com

FR.66 Rev.4

PCA
PARTNERS CERTIFICATE ASSURANCE

Certificate

ISO 14001 : 2015

Emwicon Corporation
7F.-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C)

This certificate shows that the environmental management system of the above company was approved by PCA Certification for the following scope, the validity of the certificate depends on the company's pass the annual surveillance audits and company's maintenance the related management system conditions according to international accreditation criteria.

SCOPE

Design, development, production, sales and distribution of wireless communication product and pulse detector and recorder monitoring system

EA CODE
19-33

Certificate No	: CY-33313
Registration Date	: 06.01.2021
Reissue Date	:
Expiry Date	: 05.01.2022
Certificate Period	: 3 Years (From the date of registration)

IAS ACCREDITED
Management Systems Certification Body
MSCB-103

PCA Certification Approval

PCA Sertifikasyon Hizmetleri Limited Şirketi
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FR.66 Rev.4

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Our Manufacturing

PCB Router

High Speed Mounter

N2 ReFlow

X-Ray inspection equipment

100% SPI Inspection

Automated shop floor management System
Advanced manufacturing equipment
Thorough quality assurances testing

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Chipset Partner

Qualcomm

REALTEK

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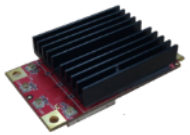
Wi-Fi Product Roadmap

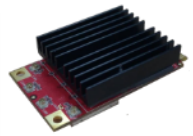
AP Module

WMX7402-3(QCN9074)
- Wi-Fi 6
- 3x3 11ax (5GHz)
- WLAN: PCIe

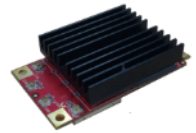


WMX7402(QCN9074)
- Wi-Fi 6
- 4x4 11ax (5GHz)
- WLAN: PCIe

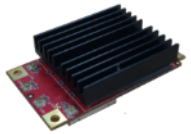
WMX7406(QCN9074)
- Wi-Fi 6 + 6e
- 4x4 11ax(5GHz to 6GHz)
- mPCIe



WMX7407(QCN9074)
- Wi-Fi 6
- 4x4 11ax(2.4GHz / 5GHz)
- mPCIe

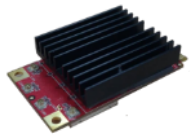


WMX7401-3(QCN9074)
- **Wi-Fi 6**
- 3x3 11ax (2.4GHz)
- WLAN: PCIe



WMX7401(QCN9074)
- **Wi-Fi 6**
- 4x4 11ax (2.4GHz)
- WLAN: PCIe

WMX7403-3(QCN9074)
- **Wi-Fi 6e**
- 3x3 11ax (6GHz)
- WLAN: PCIe



WMX7403(QCN9074)
- **Wi-Fi 6e**
- 4x4 11ax (6GHz)
- WLAN: PCIe

Client Module

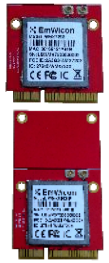
WMX7205(WCN6856 / QCA2066)
- Wi-Fi 6e + BT 5.2
- 2.4GHz/5GHz/6GHz
- 2x2+2x2 11ax DBS
- M.2 2230

WMX7207(RTL8852BE)
- 2x2 11ax MU-MIMO
- WiFi + BT 5.2
- M.2 2230

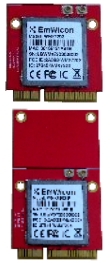
WMI7209(RTL8852CU)
- Dongle
- 2x2 11ax MU-MIMO
- WiFi + BT 5.2
- USB 3.0

WMU721X(RTL8852CU)
- 2x2 11ax MU-MIMO
- WiFi + BT 5.2
- USB 3.0

WMX7203(WCN6856 / QCA2066)
- Wi-Fi 6e + BT 5.2
- 2.4GHz/5GHz/6GHz
- 2x2+2x2 11ax DBS
- mini PCIe half / full size card



WMX7206(RTL8852BE)
- 2x2 11ax MU-MIMO
- WiFi + BT 5.2
- mini PCIe half / full size card



2022

2023

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Wi-Fi 6 / 6e Client Module (2022)

	WMX7203	WMX7205
Photo		
Chip	WCN6856 / QCA2066	WCN6856 / QCA2066
Wi-Fi	Wi-Fi 6e	Wi-Fi 6e
Bluetooth	BT5.2	BT5.2
Interface	Mini PCIe (Half / Full)	M.2 2230
MIMO	2T2R	2T2R
Frequency	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz
Band-Width	20/40/80/160	20/40/80/160
Certification	CE/FCC/IC	CE/FCC/IC

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Wi-Fi 6 Client Module (2022)

	WMX7206	WMX7207
Photo		
Chip	RTL8852BE	RTL8852BE
Wi-Fi	Wi-Fi 6	Wi-Fi 6
Bluetooth	BT5.2	BT5.2
Interface	Mini PCIe (Half / Full)	M.2 2230
MIMO	2T2R	2T2R
Frequency	2400~2496 MHz 4900~5850 MHz	2400~2496 MHz 4900~5850 MHz
Band-Width	20/40/80	20/40/80
Certification	TBD	TBD

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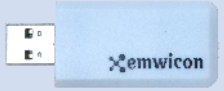
Wi-Fi 6 / 6e Client Module (USB) (2022 - 2023)

	WMU721x	WMU721x	WMU721x	WMU721x	WMU721x	WMU721x	WMI7209
Photo							
Chip	RTL8852CU	RTL8852CU	RTL8852CU	RTL8852CU	RTL8852CU	RTL8852CU	RTL8852CU
Wi-Fi	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6
Bluetooth	BT 5.2	BT 5.2	BT 5.2	BT 5.2	BT 5.2	BT 5.2	BT 5.2
Interface	Mini PCIe	M.2 2230	USB Type-A	Pin Wafer	Pin Header	Solder Down	USB Dongle
MIMO	2T2R	2T2R	2T2R	2T2R	2T2R	2T2R	2T2R
Antenna	U.FL	MHF4	U.FL/PCB ANT	U.FL/PCB ANT	U.FL/PCB ANT	U.FL/PCB ANT	PCB ANTENNA
Frequency	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz	2400~2496 MHz 4900~5850 MHz 5925~7125 MHz
Band-Width	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160
Certification	TBD	TBD	TBD	TBD	TBD	TBD	TBD

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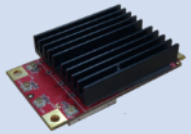
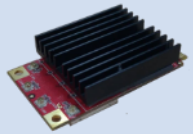
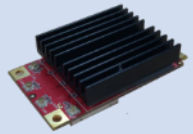
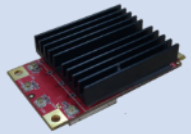
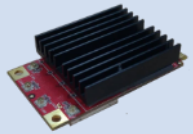
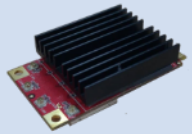
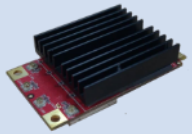
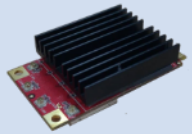
Wi-Fi 6 Enterprise Module (2022 – 2023)

	WMX7401	WMX7401-3	WMX7402	WMX7402-3	WMX7403	WMX7403-3	WMX7406	WMX7407
Photo								
Chip	QCN9074	QCN9074	QCN9074	QCN9074	QCN9074	QCN9074	QCN9074	QCN9074
Wi-Fi	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6e	Wi-Fi 6e	Wi-Fi 6 + 6e	Wi-Fi 6
Interface	mPCIe	mPCIe	mPCIe	mPCIe	mPCIe	mPCIe	mPCIe	mPCIe
MIMO	4T4R	3T3R	4T4R	3T3R	4T4R	3T3R	4T4R	4T4R
Frequency	2400~2496 MHz	2400~2496 MHz	4900~5925 MHz	4900~5925 MHz	5925~7150 MHz	5925~7150 MHz	4900~7150 MHz	2400~2496 MHz 4900~5925 MHz
Band-Width	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160	20/40/80/160
Certification	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

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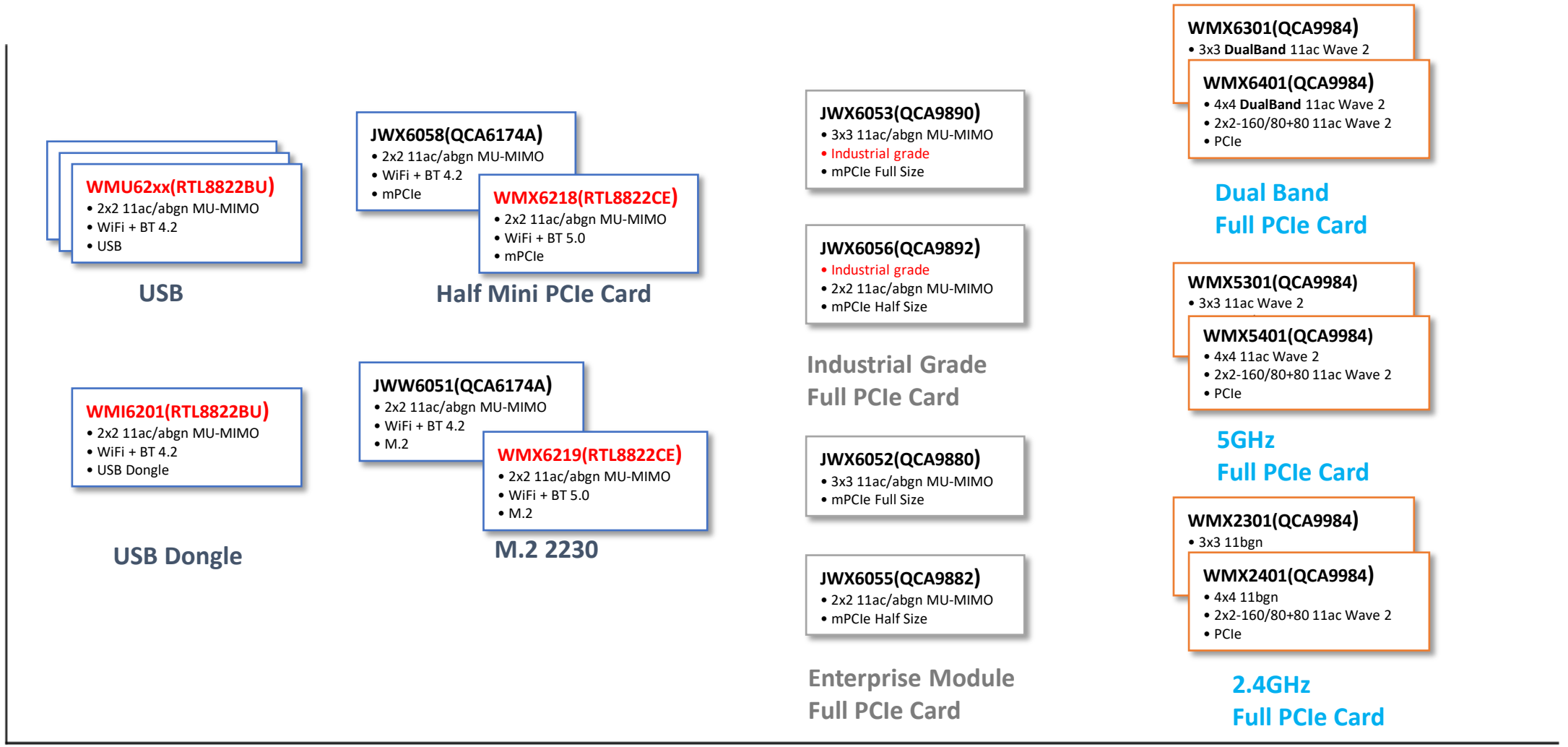
Wi-Fi Product List



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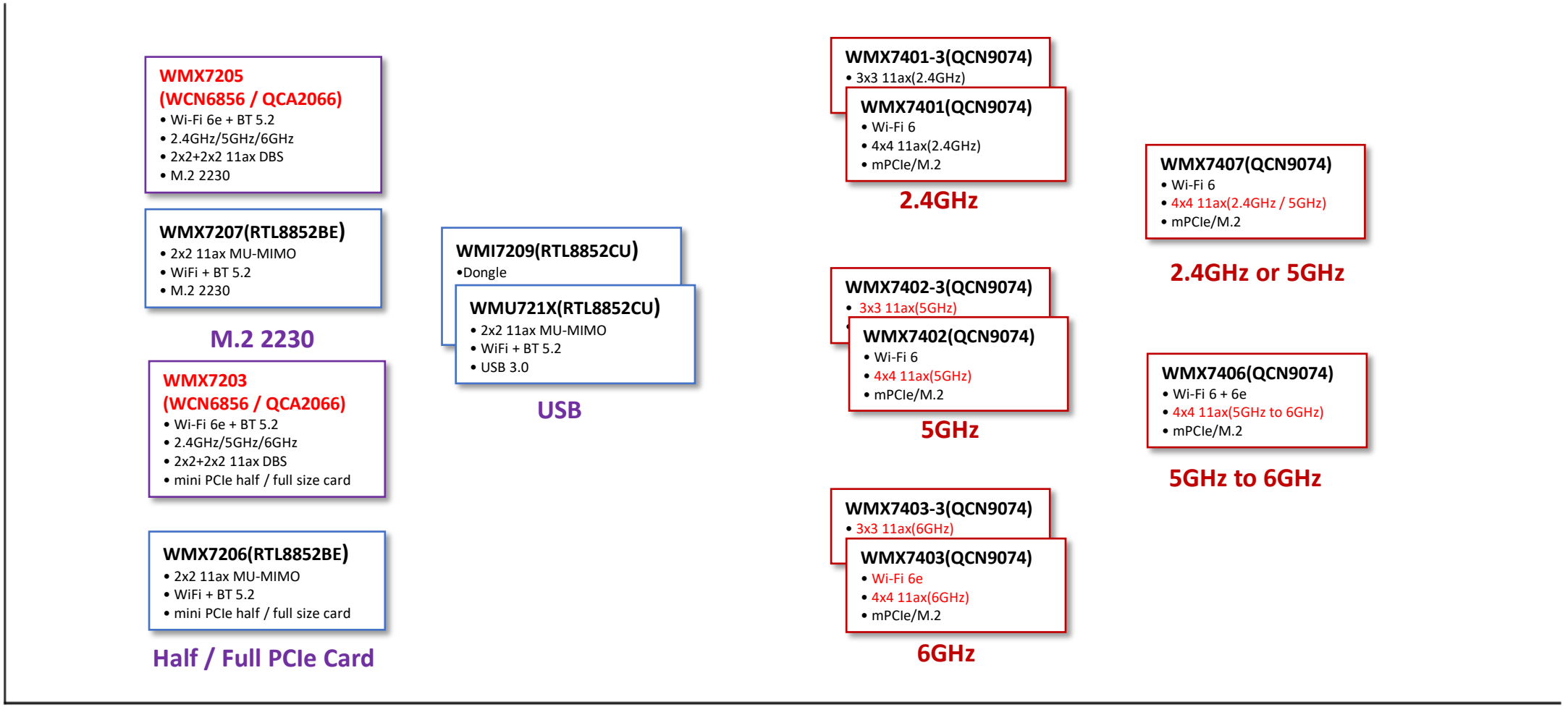
Wi-Fi Product List



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WiFi Analyzer Device

About Client:

Worlds top leading WiFi Analyzer company, helps businesses build and maintain high-performing Wi-Fi networks.

Challenges:

Searching latest WiFi 6/6e technology and work with chipset vendor to customized the driver feature to fulfill their need.

Approach Solution:

WMX7205: High performance 2x2 Tri-Band WiFi 6/6e M.2 2230 Wi-Fi solution support MU - MIMO and Bluetooth 5.2, WCN6856 / QCA2066.

Winning point:

- Solution WMX7205 support WiFi 6/6e.
- Special co-work with chipset vendor to support on the customized driver.

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3D Printer

About Client:

Worlds top leading 3D printer company, helps businesses and school to do 3D printing.

Challenges:

Customer facing WiFi shortage and need to complete the replacement sample testing and certification process within very short period of time.

Approach Solution:

WMX6218: High performance 2x2 Dual-Band WiFi 5 half size card Wi-Fi solution support MU - MIMO and Bluetooth 5.0, RTL8822CE

Winning point:

- Quick product delivery with our support to maintain their production line ongoing.
- Completed the worldwide module level Cert and sample testing within three months.
- Support RF test tool to help customer finish their system level certification.

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Parcel Station

About Client:

Parcel station provider for global sightseeing spots.

Challenges:

Worldwide location, with high cost of certification.

Approach Solution:

WMX6219: High performance 2x2 Dual-Band WiFi 5 M.2 2230 Wi-Fi solution support MU - MIMO and Bluetooth 5.0, RTL8822CE

Winning point:

- Ready to go 100+ module level worldwide Cert.
- Quick product delivery for their urgent demand.
- Easy integration with ready software document.

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X’Ray Scanner

About Client:

Top leading X’Ray scanner provider for worldwide hospital.

Challenges:

Medical required long-term product life cycle together with after EOL replacement plan, and this customer has been with us for generations because we are able to meet their product life cycle need.

Approach Solution:

WMU6206: High performance 2x2 Dual-Band WiFi 5 USB Type A Wi-Fi solution support MU – MIMO and Bluetooth 4.2, RTL8822BU.

Winning point:

- Long product life cycle 5 to 7 years
- Always prepare the successor for customer, so their product life can continue.
- With our Cert paid service to help customer completed the worldwide Cert 23+ countries already and continue more in upcoming soon.

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EV Charger

About Client:

Top leading EV Charger provider for personal and public electric car construction.

Challenges:

Customer is searching a long product life cycle USB dongle for plug in and pay, together with their customization on the dongle logo.

Approach Solution:

WMI6201: High performance 2x2 Dual-Band WiFi 5 USB Dongle Wi-Fi solution support MU – MIMO and Bluetooth 4.2, RTL8822BU

Winning point:

- Plug in and play with ready to go certification.
- Wide temperature range -20 ~ +70c.
- Customization on dongle logo with their brand.

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Enterprise Router

About Client:

Enterprise router provider for public transportation use.

Challenges:

Required high level WiFi performance and our support on certification.

Approach Solution:

- JWX6055: High performance 2x2 Dual-Band WiFi 5 Full size card Wi-Fi solution support MU – MIMO, QCA9882
- WMX2401-2: High performance 2x2 Single-Band WiFi 5 Full size card Wi-Fi solution support MU – MIMO, QCA9984
- WMX5401: High performance 4x4 Single-Band WiFi 5 Full size card Wi-Fi solution support MU – MIMO, QCA9984
- In discussion for WMX74xx WiFi 6/6e series for next generation

Winning point:

- Driver integration with their NXP platform.
- Support RF test tool operation during their Cert. process
- Support master certification report.
- EU local test fail test, we support it locally in Taiwan (same lab) and pass for customer.

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Enterprise Router

About Client:

Enterprise router provider for public transportation use.

Challenges:

Customer was searching the wave II dual band solution, and we are the first one developed it.

Approach Solution:

- WMX6301: High performance 3x3 Dual-Band WiFi 5 Full size card Wi-Fi solution support MU – MIMO and wave II, QCA9984
- In discussion for WMX74xx WiFi 6/6e series for next generation

Winning point:

- Dual band switchable with 3T3R solution is a key for customer product line.
- Certification support to help complete it.

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TALK TO US

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Please call +886-2-8227-1348

E-Mail: sales@emwicon.com

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