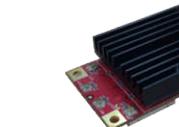
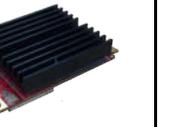


EmWicon Part No.	JWW6051	JWX6058	WMU6202	WMU6203	WMU6204
Type of Card	WiFi + BT	WiFi + BT	WiFi + BT	WiFi + BT	WiFi + BT
Product Pic.					
Protocol	PCIe 1.1-WiFi USB- BT	PCIe 1.1-WiFi USB- BT	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)
Interface	M.2 2230	Mini PCIe	Mini PCIe	M.2 2230	USB Type-A
802.11 Standard	802.11ac/a/b/g/n MU-MIMO + BT5.0	802.11ac/a/b/g/n MU-MIMO + BT5.0	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2
MIMO	2T2R	2T2R	2T2R	2T2R	2T2R
Antenna	2 x MHF4	2 x U.FL	2 x U.FL	2 x MHF4	2 x U.FL
Main Chip Vendor	Qualcom Atheros	Qualcom Atheros	Realtek	Realtek	Realtek
Main Chip Part No.	QCA6174A-5	QCA6174A-5	RTL8822BU	RTL8822BU	RTL8822BU
Frequency	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz
Operating Voltage	DC 3.3V	DC 3.3V	DC 3.3V	DC 3.3V	DC 5V
Maximum Output RF Power (Per chain)	2.4Ghz @21dBm	2.4Ghz @21dBm	2.4Ghz @15dBm	2.4Ghz @15dBm	2.4Ghz @15dBm
	5GHz @20dBm	5GHz @20dBm	5GHz @14dBm	5GHz @14dBm	5GHz @14dBm
Power Consumption(Max)	3.5W(Max)	3.5W(Max)	2W(MAX)	2W(MAX)	2W(MAX)
Channel Width	20/40/80MHz	20/40/80MHz	20/40/80MHz	20/40/80MHz	20/40/80MHz
Operating Temperature	-40°C to 85°C	-40°C to 85°C	-20 to 70°C	-20 to 70°C	-20 to 70°C
Certification	CE, FCC, IC, TELEC	CE, FCC, IC, TELEC	CE, FCC, IC	CE, FCC, IC	CE, FCC, IC, TELEC
Support Clients	update to 10 clients	update to 10 clients	8 clients 1	8 clients	8 clients

EmWicon Part No.	WMU6205	WMU6206	WMU6207	WMU6208	WMU6209
Type of Card	WiFi + BT	WiFi + BT	WiFi + BT	WiFi + BT	WiFi + BT
Product Pic.					
Protocol	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)
Interface	4 Pin Wafer	USB Type-A	4 Pin Wafer	Pin Header	Half Holes
802.11 Standard	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2
MIMO	2T2R	2T2R	2T2R	2T2R	2T2R
Antenna	2 x U.FL	2 x PCB Antenna	2 x PCB Antenna	2 x U.FL	2 x U.FL
Main Chip Vendor	Realtek	Realtek	Realtek	Realtek	Realtek
Main Chip Part No.	RTL8822BU	RTL8822BU	RTL8822BU	RTL8822BU	RTL8822BU
Frequency	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz
Operating Voltage	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V
Maximum Output RF Power (Per chain)	2.4Ghz @15dBm	2.4Ghz @15dBm	2.4Ghz @15dBm	2.4Ghz @15dBm	2.4Ghz @15dBm
	5GHz @14dBm	5GHz @14dBm	5GHz @14dBm	5GHz @14dBm	5GHz @14dBm
Power Consumption(Max)	2W(MAX)	2W(MAX)	2W(MAX)	2W(MAX)	2W(MAX)
Channel Width	20/40/80MHz	20/40/80MHz	20/40/80MHz	20/40/80MHz	20/40/80MHz
Operating Temperature	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C
Certification	CE, FCC, IC, TELEC	CE, FCC, IC, TELEC	CE, FCC, IC, TELEC		
Support Clients	8 clients	8 clients	8 clients	8 clients	8 clients

EmWicon Part No.	WMU6210	WMU6211	WMU6213	WMI6201	WMX2401
Type of Card	WiFi + BT	WiFi + BT	WiFi + BT	WiFi + BT Dongle	Mini PCIe
Product Pic.					
Protocol	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)	USB 2.0(WiFi + BT)	PCIe 2.0
Interface	Pin Header	Half Holes	Half Holes	USB Type-A	Mini PCIe
802.11 Standard	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11ac/a/b/g/n MU-MIMO + BT4.2	802.11 b/g/n
MIMO	2T2R	2T2R	2T2R	2T2R	4T4R
Antenna	2 x PCB Antenna	2 x PCB Antenna	2 x U.FL	2 x PCB Antenna	4 x U.FL
Main Chip Vendor	Realtek	Realtek	Realtek	Realtek	Qualcom Atheros
Main Chip Part No.	RTL8822BU	RTL8822BU	RTL8822BU	RTL8822BU	QCA9984
Frequency	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz 5.150~5.850GHz	2.412~2.484GHz
Operating Voltage	DC 5V	DC 5V	DC 3.3V	DC 5V	DC 3.3V
Maximum Output RF Power (Per chain)	2.4Ghz @15dBm	2.4Ghz @15dBm	2.4Ghz @15dBm	2.4Ghz @15dBm	2.4Ghz @23dBm
	5GHz @14dBm	5GHz @14dBm	5GHz @14dBm	5GHz @14dBm	
Power Consumption(Max)	2W(MAX)	2W(MAX)	2W(MAX)	2W(MAX)	6W(Max)
Channel Width	20/40/80MHz	20/40/80MHz	20/40/80MHz	20/40/80MHz	20/40MHz
Operating Temperature	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20°C to 85°C
Certification				CE, FCC, IC, TELEC	CE, FCC, IC
Support Clients	8 clients	8 clients	8 clients 3	8 clients	up to 500 clients

EmWicon Part No.	WMX5401	WMX6301	WMX6401	WMX7402 (Coming soon)	WMX7203 (Coming soon)	WMX7204 (Coming soon)
Type of Card	802.11ac Wave 2	802.11ac Wave 2 dual band	802.11ac Wave 2 dual band	WiFi 6	WiFi6 / 6E + BT5 Tri-Band	WiFi6 / 6E + BT5 Tri-Band
Product Pic.						
Protocol	PCIe 2.0	PCIe 2.0	PCIe 2.0	PCIe	PCIe 2.0(WiFi) USB (BT)	PCIe 2.0(WiFi) USB (BT)
Interface	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe	M.2 2230
802.11 Standard	802.11ac Wave 2	802.11ac Wave 2 802.11 b/g/n	802.11ac Wave 2 802.11 b/g/n	802.11ax	802.11ax	802.11ax
MIMO	4T4R	3T3R	4T4R	4T4R	2T2R	2T2R
Antenna	4 x U.FL	3 x U.FL	4 x U.FL	4 x U.FL	2 x U.FL	2 x MHF4
Main Chip Vendor	Qualcom Atheros	Qualcom Atheros	Qualcom Atheros	Qualcom Atheros	Qualcom Atheros	Qualcom Atheros
Main Chip Part No.	QCA9984	QCA9984	QCA9984	QCN9074	WCN6856	WCN6856
Frequency	5.180-5.9050GHz	2.412~2.484GHz 5.180~5.9050GHz	2.412~2.484GHz 5.180~5.9050GHz	5.180 ~ 5.845GHz	2.412~2.484GHz 5.150~5.850GHz 5.910~7.150GHz	2.412~2.484GHz 5.150~5.850GHz 5.910~7.150GHz
Operating Voltage	DC 3.3V	DC 3.3V	DC 3.3V	DC 3.3V DC 5V	DC 3.3V	DC 3.3V
Maximum Output RF Power (Per chain)		2.4Ghz @23dBm	2.4Ghz @23dBm	TBD	TBD	TBD
	5GHz @21dBm	5GHz @21dBm	5GHz @21dBm	5GHz @21dBm (TBD)	TBD	TBD
Power Consumption(Max)	7.5W(Max)	5.5W(Max)	7.5W(Max)	10W(TBD)	TBD	TBD
Channel Width	20/40/80/160MHz	20/40/80/160MHz	20/40/80/160MHz	20/40/80/160	20/40/80/160MHz	20/40/80/160MHz
Operating Temperature	-20°C to 85°C	-20°C to 85°C	-20°C to 85°C	-20 to 85°C (TBD)	-30 to 85°C (TBD)	-30 to 85°C (TBD)
Certification	CE, FCC, IC	CE, FCC, IC	CE, FCC, IC	CE, FCC, IC(TBD)	CE, FCC, IC(TBD)	CE, FCC, IC(TBD)
Support Clients	up to 500 clients	up to 500 clients	up to 500 clients			