







## MAXON Wi-Fi Module



						
Type	11AC Wireless module		M.2 WIFI6 module			
Mode	MX520VX	MX530VX	MX6974F5	MX6974F6 (6E)	MX6924F5	MX6624F5
Chipset	QCA9880	QCA9880	QCN9074	QCN9074	QCN9024	QCN6024
Standard	IEEE 802.11a/b/g/n/ac	IEEE 802.11a/b/g/n/ac	IEEE802.11a/n/ac/ax	IEEE802.11a/n/ac/ax	IEEE802.11a/n/ac/ax	IEEE802.11a/n/ac/ax
Modulation Technology	OFDM (BPSK, QPSK, DBPSK, DQPSK, CCK, 16-QAM, 64-QAM, 256-QAM)	OFDM (BPSK, QPSK, DBPSK, DQPSK, CCK, 16-QAM, 64-QAM, 256-QAM)	OFDMA (BPSK, QPSK, DBPSK, DQPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM)	OFDMA (BPSK, QPSK, DBPSK, DQPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM)	OFDMA (BPSK, QPSK, DBPSK, DQPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM)	OFDMA (BPSK, QPSK, DBPSK, DQPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM)
MU-MIMO	2x2	3x3	4x4	4x4	4x4	4x4
Output (Per chain)	21dBm	21dBm	24dBm	24dBm	24dBm	24dBm
Bandwidth	20/40/80/MHz	20/40/80/MHz	20/40/80/160MHz	20/40/80/160MHz	20/40/80/160MHz	20/40/80/160MHz
Frequency Range	2412~2472MHz, 5180~5825MHz	2412~2472MHz, 5180~5825MHz	5180~5320MHz, 5745~5825MHz (CN)	5180~5320MHz, 5745~5825MHz, 5.925GHz-7.125GHz	5180~5320MHz, 5745~5825MHz (CN)	5180~5320MHz, 5745~5825MHz (CN)
Throughput	867Mbps	1300Mbps	4800Mbps	4800Mbps	4800Mbps	4800Mbps
Interface	1x Mini PCIe 1.1	1x Mini PCIe 1.1	M.2 E Key (PCI Express 3.0)	M.2 E Key (PCI Express 3.0)	M.2 E Key (PCI Express 3.0)	M.2 E Key (PCI Express 3.0)
Antenna Connector	2x U.FL	3x U.FL	4x U.FL	4x U.FL	4x U.FL	4x U.FL
Operating Voltage	3.3V	3.3V	5V	5V	5V	5V
Power Consumption	≤3.5W	≤3.5W	≤15W	≤15W	≤15W	≤15W
Temperature Range	Operating: -20~70°C/-4~158°F Storage: -40~90°C/-40~194°F	Operating: -20~70°C/-4~158°F Storage: -40~90°C/-40~194°F	Operating: -20~70°C/-4~158°F Storage: -40~90°C/-40~194°F	Operating: -20~70°C/-4~158°F Storage: -40~90°C/-40~194°F	Operating: -20~70°C/-4~158°F Storage: -40~90°C/-40~194°F	Operating: -20~70°C/-4~158°F Storage: -40~90°C/-40~194°F
Operating Humidity	-5%~95% (non-condensing)	-5%~95% (non-condensing)	-5%~95% (non-condensing)	-5%~95% (non-condensing)	-5%~95% (non-condensing)	-5%~95% (non-condensing)
Certifications	CE/FCC/RoHS	CE/FCC/RoHS	RoHS/REACH	RoHS/REACH	RoHS/REACH	RoHS/REACH
Dimensions	51x30x3.2mm	51x30x3.2mm	55.9x52.8x8.5mm	55.9x52.8x8.5mm	55.9x52.8x8.5mm	55.9x52.8x8.5mm