AZUREWAVE Wi-Fi + BLUETOOTH MODULES WITH NXP SILICON

Selection Guide for IoT Applications

Established **2005**

Headquarters **Taipei, Taiwan**

Manufacturing Center **Shanghai, China**

Regional Offices **San Jose, Tokyo, Shanghai, Shenzhen, Taiwan**
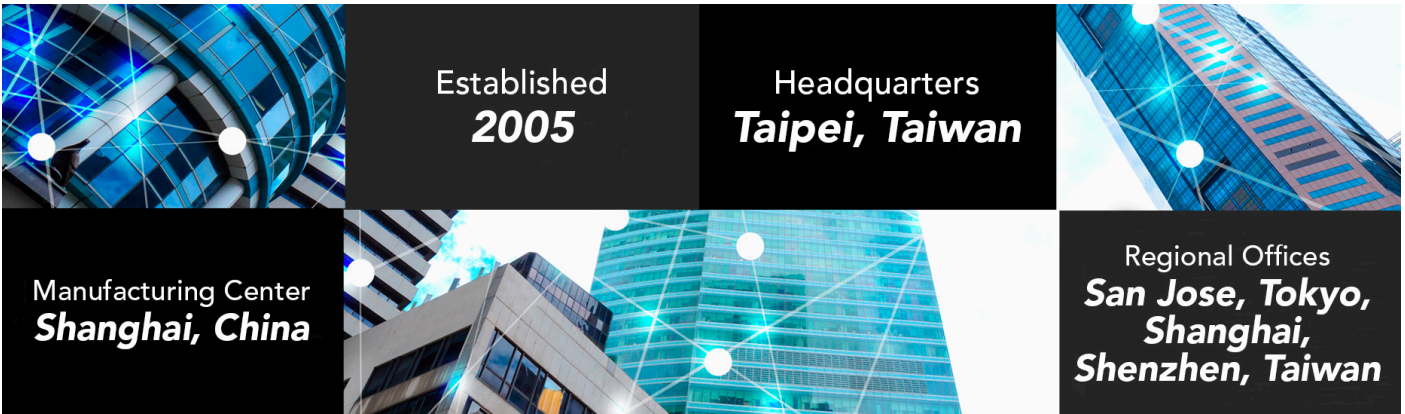
Part Number	AW-XM458	AW-CM276NF	AW-CM358	AW-AM457-D	AW-AM510	AW-NM191NF	AW-CU300 V2
Type Name	LGA	M.2 1216	LGA	LGA	LGA	M.2 1216	LGA
NXP Chipset	88W9098	88W8997	88W8987	IW416	IW416	88W8801	MW320
Wi-Fi®	2x2 CDW DB (2.4/5 GHz)	2x2 DB (2.4/5 GHz)	1x1 DB (2.4/5 GHz)	1x1 DB (2.4/5 GHz)	1x1 DB (2.4/5 GHz)	1x1 SB (2.4 GHz)	1x1 SB (2.4 GHz)
Bluetooth®	5.3 BR/EDR/LE	5.3 BR/EDR/LE	5.2 BR/EDR/LE	5.2 BR/EDR/LE	5.2 BR/EDR/LE	No	No
Wi-Fi Host Interface	SDIO, PCIe	SDIO, PCIe	SDIO	SDIO	SDIO	SDIO	UART
Bluetooth Interface	UART	UART	UART	UART	UART	–	–
Dimensions (mm)	20 x 18 x 2.8	12 x 16 x 1.85	12 x 12 x 1.65	15 x 15 x 2.5	12 x 12 x 2.0	12 x 16 x 1.95	15 x 23 x 2.35
Certifications	CE, FCC, IC, Japan	CE, FCC, Japan, IC, AU/NZ, India, Mexico, NCC	CE, FCC, IC, Japan	CE, FCC, IC	CE, FCC, IC, Japan	CE, FCC, Japan	CE, FCC, NCC, IC, Brazil, China, Japan, Mexico, Argentina
Operating Temperature	-40 ℃ to 85 ℃	-30 ℃ to 85 ℃	-30 ℃ to 85 ℃	0 ℃ to 70 ℃	0 ℃ to 70 ℃	-40 ℃ to 85 ℃	-40 ℃ to 85 ℃
Software Support	Linux® OS	Linux® OS, Android™ OS	RTOS, Linux® OS, Android™ OS	RTOS, Linux® OS	RTOS, Linux® OS	RTOS, Linux® OS	RTOS

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