Product Brief

5th Generation Intel® Wireless Dual-Band, 2x2 Wi-Fi 5 + Bluetooth® 5.1
Designed for Commercial Temperature Applications (0 °C to +70 °C)

intel.

Intel® Dual Band Wireless-AC 9260 Embedded IoT Kit

High performance, commercial temperature wireless kit for Embedded IoT applications such as kiosks, digital signages, and point-of-sale (POS) terminals.

The Intel® Dual Band Wireless-AC 9260 Embedded IoT Kit offers a comprehensive solution to enable Wi-Fi connectivity for your commercial temperature embedded IoT applications. Give your ecosystem a boost with Bluetooth® 5.1 and 2x2 Wi-Fi 5, delivering up to 1.73Gbps[1] including features such as downlink MU-MIMO, providing a significant increase in user speeds in dense deployments while supporting high activity usage in commercial temperature conditions. This kit includes the Intel® Wireless-AC 9260 Commercial Temperature Embedded Module, two antennas, two RF cables with connectors, two mounting brackets (full and half size), and it is easy and simple to install.

When combined with Intel® Core™ processors and exceptional Intel wireless innovations, the Intel® Dual Band Wireless-AC 9260 Embedded IoT Kit dramatically reshapes your embedded applications.

Easy Installation

Most Intel® Wi-Fi 5 kit installations can be completed in 10 minutes or less.

<10

5th GENERATION INTEL 802.11AC WIRELESS	
Faster Speed **Better Coverage** **Larger Capacity** **Wi-Fi 5, Dual Band, 160MHz, Downlink MU-MIMO**	Delivers up to 12x faster Wi-Fi[2] speeds (up to 1.73Gbps) than 802.11n. Downlink MU-MIMO allows an Access Point to simultaneously transmit data to multiple clients and can improve overall downlink network capacity. Intel® Wireless-AC enables smoother streaming of higher resolution videos, fewer dropped connections, less congestion, and faster speed farther away from the router.
Bluetooth® 5.1	Bluetooth® 5.1 provides 4x[3] range over Bluetooth® 4.2 with the same power, enabling wider coverage. Bluetooth® 5 also doubles the transmit speed for the same range. Finally, Bluetooth® 5.1 adds new, enhanced data broadcasting, enabling location-based services and simpler pairing for Bluetooth® devices.
Operating System	Supported by the Windows* 10 Enterprise Long-Term Servicing Channel (LTSC) and Yocto Project*-based operating systems.
M.2 2230 Form Factor	The M.2 2230 form factor allows for wireless deployment at lower costs over PCIe-based solutions. This solution requires a motherboard with an M.2 Key E connector for wireless.

EXPERIENCE THE INTEL® DIFFERENCE	
Worldwide Regulatory Support **Intel Dynamic Regulatory Solution**	Certification in 120+ countries speeds time-to-market and enables worldwide regulatory compliance on a single adapter SKU. The Intel® Dual Band Wireless-AC 9260 Embedded IoT Kit detects its location and automatically optimizes the Wi-Fi settings to local regulatory requirements, maximizing performance in each geography, simplifying global enterprise procurement. Future regulatory changes are easily managed during the product life cycle.

INTEL® DUAL BAND WIRELESS-AC 9260 EMBEDDED IOT KIT TECHNICAL SPECIFICATIONS

General

Retail Single Box Dimensions (H x W x D)	145 mm x 205 mm x 26 mm
Retail Single Box Weight	143.5g
Overpack 5u Dimensions (H x W x D)	160 mm x 230 mm x 150 mm
Overpack 5u Weight	727.5g
AC9260 Module Dimensions (H x W x D)	22 mm x 30 mm x 2.4 mm
AC9260 Module Weight	3.25g
RF Cable	2ft. length coaxial cable OD 1.13 mm FEP Black Jacket
Connectors	SMA, male, brass, gold plated, insulated; MHF IV plug, gold plated
Antenna	Dual-band: Frequency 2.4-2.5GHz/5.15-5.85GHz, SMA plug
Antenna Diversity	Supported
Radio ON/OFF Control	Supported
Motherboard Connector Interface	M.2: key E or A for wireless
Operating Temperature	0°C to +70°C
Use Conditions	For details on Intel Embedded use conditions, please contact your Intel Account Manager
Operating System	Microsoft Windows 10* Enterprise Long-Term Servicing Channel (LTSC), Linux*
Wi-Fi Features	Wi-Fi 5 2x2 MIMO with Wave 2 features
	160 MHz bandwidth
	Downlink MU-MIMO
	Two SS STA and Mobile AP
Wi-Fi Compatibility	Voice-Personal
Bluetooth®	Dual-mode Bluetooth® 5.1, BLE
Security[4]	WPA2* Personal and Enterprise, Wi-Fi Protected Setup*, and 802.11w (Protected Management Frames)

Compliance

Regulatory	For a list of country approvals, please contact your local Intel representatives.
Product Safety	UL, C-UL, CB (IEC 60950-1)
Use Conditions	For details on Intel Embedded use conditions, please contact your Intel Account Manager.

PRODUCT NAME	MODEL NUMBER	VERSION
Intel® Dual Band Wireless-AC 9260 Embedded IoT Kit	99AC9M	802.11ac, 2x2, Bluetooth® 5.1, M.2 2230, without Intel vPro® technology

intel®

For more information on Intel® Wireless products, visit intel.com/wireless