

Wi-Fi 6

IM-100-EB IEEE 802.11ax (Wi-Fi 6) Ethernet to Wi-Fi board

Industrial grade wireless integration of Ethernet to Wi-Fi.



Overview

The IM-100-EB is a driverless Ethernet to Wi-Fi board, offering plug-and-play Wi-Fi 6. It streamlines product development, cuts costs, accelerates time to market, and improves communication reliability by utilizing Silex's vast networking expertise. It has a long chipset lifecycle and is fully customizable to meet unique requirements.

Features

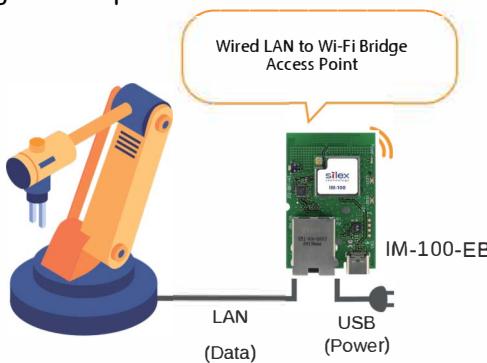
Low host processor load, reduced development time and cost.

Easily enable wireless connectivity for wired LAN devices. The IM-100-EB includes all necessary components for wireless integration, such as a processor, memory, and wireless LAN driver. Its connector-type design minimizes the effort required for designing the main board, reducing development time and cost for wireless integration.



Wired LAN to Wi-Fi Bridge: IM-100 EB-C / IM-100 EB-A.

Connects to a wired LAN port to enable wireless connectivity. Functions like a standard Wi-Fi bridge allowing for quick wireless integration by configuring the target access point.



Model Numbers	IM-100-EB-C	IM-100-EB-A
Wireless LAN Standard	IEEE 802.11 a/b/g/n/ac/ax (1x1) 2.4/5GHz	
Antenna Terminal	MHFX1	Onboard antenna
Interfaces	LAN (100BaseTX)	
Security	WPA™/WPA2™/WPA™3 Enterprise Security (EA-PTLS, EAP-TTLS, EAP-PEAP, EAP-FAST)	
Operating Voltage	5.0V (main power)	
Operating Conditions	Temperature: -40 ~ 85° C; Humidity 15 ~ 95% RH (non-condensing)	
Storage Conditions	Temperature: -40 ~ 90° C; Humidity 10 ~ 95% RH (non-condensing)	
Physical Dimensions	54.0 x 35.0 x 11.8 mm	
Connector Type	RJ-45 LAN, USB-C Power connectors	
Wireless Standards Compatibility	Japan, USA, Canada, Europe, UK	



	Shape	Sales unit	Packaging
IM-100-EB-C	Wired LAN	50	Bulk
IM-100-EB-A	Wired LAN	50	Bulk
IM-100-EB-C-SP	Wired LAN	1	1 antenna included
IM-100-EB-A-SP	Wired LAN	1	