



When it Absolutely Must Connect

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

## Industrial grade wireless integration of Ethernet to Wi-Fi.



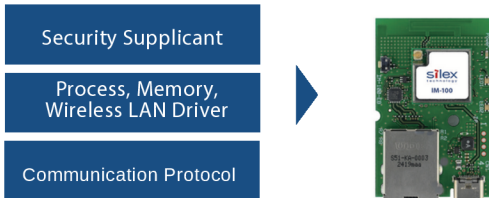
### Overview

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

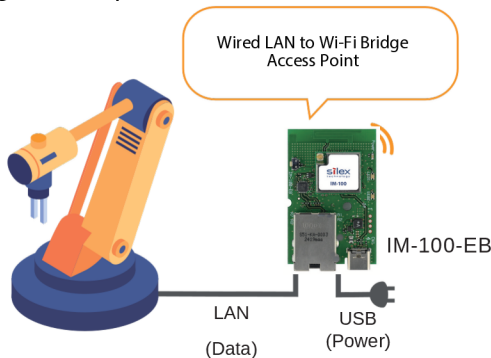
#### Low host processor load, reduced development time and cost.

Easily enable wireless connectivity for wired LAN, serial, and USB (RNDIS). 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 W-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 (EAP-TLS, 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 Compatability	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	



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