

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

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



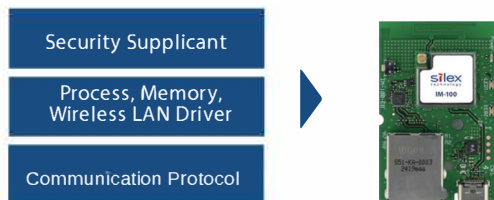
#### Overview

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

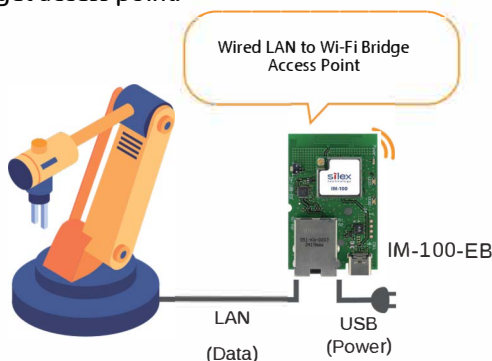
##### Low host processor load, reduced development time and cost.

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 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 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          |                    |