

IM-100-RB

Type-A bare-board USB dongle board with Wi-Fi® 6

Instant wireless integration of wired LAN, serial, and USB (RNDIS) interfaces.

Wi-Fi 6

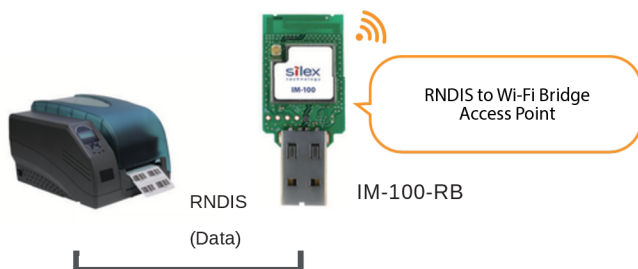

Overview

The IM-100-RB is a Wi-Fi lightweight bare-board USB dongle offering plug-and-play Wi-Fi 6. Simply add your enclosure of choice. Using the Type-A USB connection, the IM-100-RB is a rapid development solution for medical device manufacturers to bring a product market quickly without the size or cost of a full boxed networking solution. Its unique RNDIS driver enables immediate wireless connectivity across Windows, Linux, and RTOS platforms.

Features

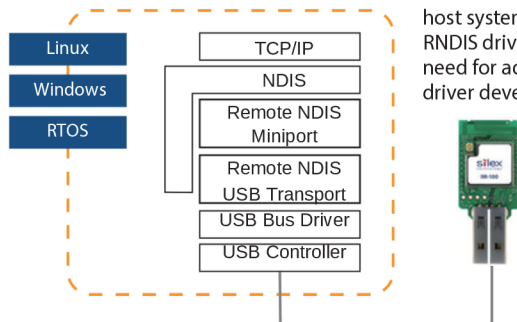
USB (RNDIS) to Wi-Fi Bridge: IM-100-RB

Connects to a device's USB Type-A port for usage, and enables wireless connectivity for devices without a wired LAN port by utilizing USB (RNDIS).



Remote NDIS (RNDIS)

A technology that allows USB to be used like Ethernet. Some host systems natively support RNDIS drivers, eliminating the need for additional interface driver development.



Model Numbers	IM-100-RB
Wireless LAN Standard	IEEE 802.11 a/b/g/n/ac/ax (1x1) 2.4/5GHz
Interfaces	USB2.0 (RNDIS)
Security	WPA™/WPA2™/WPA3™ 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	51.7 x 22.0 x 5.5 mm
Connector Type	USB Type-A connector
Wireless Standards Compatibility	Japan, USA, Canada, Europe, UK

	Shape	Sales unit	Packaging
IM-100-RB	USB Type-A	100	Bulk
IM-100-RB-SP	USB Type-A	1	

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