M-100

Mobile RFID Reader

Mobile and Versatile

The SLS M-100 is the most versatile UHF RFID reader device in the world – it can be used worn on the wrist, used as a small form factor desktop reader, attached to a mobile device, or extended on a telescoping pole (not included).

As a wristband reader, it enables hands-free inventory/cycle count while working - merchandising a retail store, packing a carton with item-level tagged assets, building a pallet of RFID-labeled cartons, etc. When used as a small desktop reader, the typical use cases are Point-of-Sale or display kiosk. It can readily support mobile applications when physically attached to mobile phone or tablet.

Enabled with Bluetooth Low Energy (BLE) technology, the M-100 offers long battery life both while in use and in standby mode.

Designed for Global Deployment

The M-100 is a truly global device, certified and authorized for import and operation in over 40 countries to support your global distribution and retail locations.

M-100 Versions for Development Flexibility

There are two version of the SLS M-100 available: The SLS M-100 reader works with Android and iOS to provide access to RFID tag data. SLS offers both an Apple and Android SDK so that developers can add support for the device to mobile applications.

The SLS M-101 Keyboard Wedge version connects to any operating System as a wireless keyboard and outputs RFID data directly to a text file, spreadsheet, web form, etc. without the need for application development.

M-100 Specifications

Model	M-100 API/SDK	M-101 Keyboard Wedge
Global RFID Air Interface Protocol	Global EPC Class 1 Gen 2, ISO 1800-6C	Global EPC Class 1 Gen 2, ISO 1800-6C
Operating Frequency and Power	Configurable for one of the following: 902-928 MHz (FCC), 916.7-923.5 MHZ (Japan), 918-926 MHz (Australia), 920.5-924.5 MHz (China), 923-925 MHZ (Indonesia), 919-923 MHz (Malaysia), 922-928 MHz (Taiwan), 917-923.5MHz (S. Korea), 920-925 MHz (Singapore) 865 to 868 MHz (ETSI) Power: 0.145W ERP Max	One of the following: 902-928 MHz (FCC) 865 to 868 MHz (ETSI) Power: 0.145W ERP Max

M-100 Specifications - Continued

Model	M-100 API/SDK	M-101 Keyboard Wedge
Data Interface	USB-Micro (Charging) BLE (Bluetooth 4.2): 2402-2480 MHz, 0.001W	USB-Micro (Charging) BLE (Bluetooth 4.2): 2402-2480 MHz, 0.001W
Read Range	Typically, from 5cm up to 45 cm, depending on RFID label and M-100 transmit power.	Typically, 20cm, depending on RFID label.
Dimensions	44 X 64 X 13 mm (1.75 X 2.5 X 0.50 in), wristband: 286 mm, 11.25 in	44 X 64 X 13 mm (1.75 X 2.5 X 0.50 in), wristband: 286 mm, 11.25 in
Weight	Incl. wristband: 59g (2.1 oz), w/o wristband: 37g (1.3 oz)	Incl. wristband: 59g (2.1 oz), w/o wristband: 37g (1.3 oz)
Battery	3.7Volt, 600mA, 8 hours continuous use, 2 hours recharge time.	3.7Volt, 600mA, 8 hours continuous use, 2 hours recharge time.
Operating Temperature	-20 ºC to +60 ºC (-4 ºF to +122 ºF)	-20 ºC to +60 ºC (-4 ºF to +122 ºF)
Certifications	FCC Part 15, CE RED (Radio/EMC/EMI), CB (Safety), SAR, Telec/Giteki (Japan), ETSI EN 302 208 v3.1.1	FCC Part 15, CE RED (Radio/EMC/EMI), CB (Safety), SAR, ETSI EN 302 208 v3.1.1
Ordering Information	M100 API/SDK Version SKU: 1000M100 (900 MHz band), 1000M100E (ETSI band)	M101 Keyboard Wedge Version SKU: 1000M101 (900 MHz band), 1000M101E (ETSI band)