SkyeTek RFID Readers

M1-Mini

The M1-Mini is world's smallest self-contained RFID reader, complete with on-board antenna, low 1-cell battery power, dual push-button operation, and contactless read write support of 13.56MHz (HF) ISO tags & smart labels.

With a 25mm mini footprint, & a 2.5mm ultra low profile, the M1-Mini integrates into virtually anything, extending RFID into the very fabric of everyday life.

For easy integration:

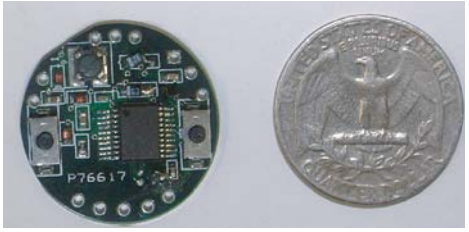
- smart label printers
- handheld devices
- payment terminals
- barcode scanners
- custom equipment

Features:

Internal, on-board antenna
Battery operation: 1 or 2 cell
External 50-ohm antenna port
Host Interface TTL, SPI, or I2C
Small module for easy integration
Reads multiple tags simultaneously
Powerful protocol interface & dev tools
Compliant with ISO15693 and ISO14443

Miniature 13.56MHz RFID Reader
ISO15693 ISO14443

On-Board Antenna



Tag Compatibility:

Tag-It™ HF-I	2k	Texas Instruments	**ISO15693**
ICode™ SLI	1k	Philips	**ISO15693**
my-d™	2k,10k	Infineon	**ISO15693**
LRI512™	0.5k	ST Microelectronics	**ISO15693**
Tag-It™ HF	0.5k	Texas Instruments	Proprietary
ICode™ 1	1k	Philips	Proprietary
PicoTag™	id only	Inside Contactless	Proprietary
GemWave™	id only	TagSys	Proprietary
Mifare™	id only	Philips	**ISO14443A**

Technical:

Power Supply:	3.2V to 5V
Supply Current:	Sleep 60uA
Dimensions:	2.54cm (1 inch) diameter, small footprint 2.8mm (0.11 inch) low profile
RF Frequency:	13.56MHz
RF Data Rate:	26kbps ISO15693, 106kbps ISO14443
Antennna:	Internal and 50-ohm external ant. port
Read Range:	7cm internal ant, 15cm external ant.
Host Interface	TTL, I2C, or SPI
Host Data Rate:	Serial TTL (N,8,1) = 9600 to 57600 baud rate
Flash MCU:	FLASH memory for firmware updates in the field
Memory:	128 bytes user data

Ordering Codes:

M1-mini	13.56MHz RFID Read/Write Module
EA1	External Antenna Module 95x95mm
DKM1	Developer's Kit for M1

Made in the U.S.A.

skyetek

SkyeTek, Inc.
2845 Wilderness Place, Boulder, CO 80301 USA
Phone: 720-565-0441 Fax: 720-565-8989
www.skyetek.com