SkyeTek RFID Readers

SkyeRead M1

SkyeTek annouces *SkyeRead M1*

SkyeRead M1 is a low-cost high-performance RFID reader module for easy integration into custom products and equipment. This multi-protocol device can read and write most industry standard 13.56MHz tags and smart labels. Use the M1 to quickly and easily add RFID technology to your new systems and equipment.

For easy integration into:

- ☐ label printers
- ☐ handheld data terminals
- ☐ vending machines
- ☐ barcode scanners
- ☐ any custom equipment

Features:

· Contactless identification
· No line of sight required
· Optional external antenna
· Simple ASCII protocol interface
· Small module for easy integration
· Reads multiple tags simultaneously
· Industry standard 13.56MHz operation
· Compliant with ISO15693 and ISO14443
· Reads and writes tags with up to 10k bits

13.56MHz RFID Reader/Writer
ISO-15693 Tag-It ICode My-d LRI512

38mm
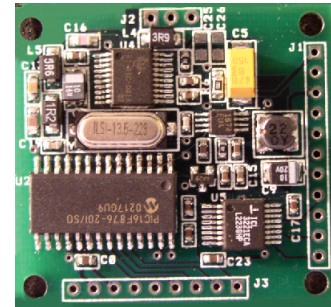
40mm

Tag Compatibility:

ISO-15693 -2 -3:	Tag-It HF (Texas Instruments)
Tag-It HF-I (Texas Instruments)	I·Code1 (Philips)
I·Code SLI (Philips)	PicoTag 2K* (Inside Contactless)
My-d SRF55V02/10S (Infineon)	GemWave* (TagSys)
LRI512 (ST Microelectronics)	ISO-14443*-A -B

Technical:

Power Supply:	1.2V to 5V operation
Supply Current:	45mA @ 5V, 150mA @ 1.8V, 50uA standby
RF Frequency:	13.56MHz
RF Modulation:	10%/100% ASK (Reader to Tag) FSK/Machester (Tag to Reader)
RF Data Rate:	26.6 kbits/s (ISO15693) 105.9 kbits/s (ISO14443)
Host Interface:	Serial RS232 or TTL (Rx/Tx/GND) 9600, 19200, 38400 kbits/s (N,8,1) SPI bus (SDI/SDO/SCK) 3MHz data rate I²C bus (SDA/SCL) 400kHz data rate
FLASH MCU:	Firmware upgrades for new protocols
Dimensions:	38mm x 40mm x 4mm
Read Range:	75/150mm int/ext antenna (credit card)
Antenna:	Internal or external 50-ohm antenna
Compliance:	FCC 47 CFR15, EN 300 330, EN 301 481

∗ Available 2003

SkyeTek
RFID ENGINEERING