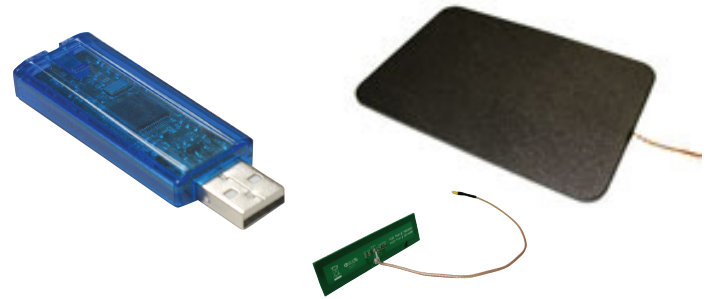


# USB Micro Reader

ET9-USB-1



Secura Key's e\*Tag® USB Micro Reader is a USB device which plugs into any standard computer USB port, and it reads and writes to 13.56 MHz ISO 15693 and 14443 A and B contactless smart cards or tags.

The USB Micro Reader is ideal for any PC-based application using HF RFID (Contactless) cards or tags, including inventory, asset tracking, retail, loyalty, apparel, manufacturing, construction, transportation, security and access control, pharmaceutical, healthcare, and libraries.

The USB Micro Reader is a pass-through device, which allows an application program to communicate directly with an HF card or tag. It appears as a Virtual COM Port to a Windows application. It is also available in H.I.D. (Human Interface Device) or Keyboard Wedge configurations. (Call factory for details). Secura Key offers complete protocol documentation for developers.

The unit is port powered, can be used with a desktop or notebook computer, and is compatible with USB 2.0 Full Speed. The Micro USB Reader has a built-in antenna, but also includes an MMCX connector, which

is compatible with any 50-Ohm 13.56 MHz external antenna. A recessed switch allows the user to change between external and internal antennas. The USB Micro reader has a translucent blue ABS plastic housing. The unit has an internal LED status indicator, which is visible through the housing.

## Optional Antennas

Secura Key offers the ET-ANT 13X9, a flat pad antenna designed for read/write capability with HF contactless labels, tags and cards used to identify individual articles, documents and books.

The flat profile of the ET-ANT 13X9 makes it perfect for desktop applications in offices or libraries for file and document tracking and check-in / checkout of books.

Secura Key also offers a 1" x 4" 50-Ohm printed circuit antenna with MMCX connector, 11" cable, which gets up to 4-5" read range with the USB Micro reader. This antenna can be embedded in a non-metallic housing. Secura Key can also assist developers with custom antenna requirements.

## Features:

- Plugs into any standard USB port
- Reads and writes to HF RFID cards or tags
- ISO 15693
- Switchable between built-in and external antennas
- MMCX connector for 50-Ohm external antenna
- LED status indicator
- Ideal for PC-based applications
- Virtual COM Port to a Windows application
- Powered by USB Port – needs no external power supplies
- High performance data throughput

## OPTIONAL ANTENNAS

- 1" x 4" printed circuit antenna
- 13" x 9" Flat Pad Antenna

	ET9-USB-1
Dimensions L x W x H	2.7" X 0.9" X 0.4" (68.58 mm x 22.86 mm x 10.16 mm)
Mounting	Install in standard USB jack
Weight	0.4 oz (11.34 g)
Material	ABS
Color	Blue (Translucent)
Power Requirements	USB Port Power
ISO Protocols	ISO 15693
Card Compatibility	Secura Key e*Tag®, TI HF-1, Philips I-Code SLI, ST Micro LRI, Infineon My-D, My-D Lite
Status LED	Internally mounted – view through translucent housing
External Antenna (optional)	1" x 4" PCB with 11" MMCX cable, 5-6" read range (25.4mm x 101.6MM PCB with 279.4mm cable, 127 – 152 mm read range)
	13" x 9" Flat Pad - Standard cable includes SMA connector, plus MMCX adapter to fit the ET9-USB-1 cable length: 96" (243.84 cm)
EMI Compliance	FCC Part 15-B Class B
Read Range, Internal Antenna	2-3" (50-75 mm)
Communications Protocol	e*Tag® Host
Frequency	13.56 MHz
Environmental	Operating Temperature: 32°F to +158° F (0°C to +70°C) Relative Humidity: 0-95% Non-Condensing
Warranty	These Secura Key products are warranted against defects in materials and workmanship for two years. Secura Key will replace any Secura Key manufactured product that fails to perform as intended. This warranty does not include freight, taxes, duties, or installation expenses. See price list for complete terms and conditions.

## ORDERING

### READERS:

ET9-USB-1                      USB Micro Reader

### ANTENNAS:

ET-ANT 13x9                    13" x 9" Flat Pad Antenna  
PN 2014402                    1" x 4" External Antenna (PCB)