

Secura Key Products for Software Developers

e*Tag® - 13.56MHz

- Reader/writers.
- No onboard relay.
- Programmable LED and buzzer.
- No onboard tag or event memory.
- Available in weather-resistant housing or PC board form factors.
- Available with RS-232, RS-485 and TTL communications. RS-485 requires a RS232-RS485 converter, Up to 100 readers can be connected to a single host using RS-485. TTL is for direct connection to a microprocessor.
- In “UID Wiegand Mode” e*Tag sends the reader serial number and the tag’s unique identification number in ASCII format on the RS-485, RS-232 or TTL lines.
- In “ISO 15693 Mode” e*Tag reads only when the host commands it to do so and they can be commanded to look at the UID (the unique identification number of the chip) or any other blocks of data on the card.
- Several tags can be recognized in the reader field simultaneously.
- A publicly available communications protocol is available to enable developers to write custom applications.
- e*Tag reader/writers are compatible with standard e*Tag cards/tags and with RFID products using Texas Instruments, Philips, Infineon and ST Micro ISO 15693 chips. They can also read the UID (unique identification number) on ISO 14443 chips such as Philips MiFare.

RK-XRM - 125 KHz

- Reader only
- Onboard solid-state relay
- Programmable LED and buzzer.
- Two definable inputs.
- No onboard tag or event memory.
- In a compact, weather-resistant housing.
- Available with RS-485 communications only. Converter required for connection to PC. Up to 100 readers can be connected to a single host.
- Each reader is given an address and host indicates destination of commands by address.
- Data sent from reader to host or host to reader is put in a “packet”. This ensures receipt of messages at intended location and manages data collisions. Host software must be written to create and open packets.
- Reader can be set to detect and report tags automatically or to wait for the host to “poll”. It can also be set to send a message when a tag leaves the field.
- Only one tag at a time can be recognized in a reader field.
- RK-XRM readers are only sold to companies that have already purchased the XRM-API which includes up to 2 hours of Engineering-level support. (New developers are encouraged to also purchase the RK-XRM developer’s kit.)
- This reader can be used with Radio Key “-01” or “-02” type tags. Type “-01” is usually suggested because there is no facility code or parity to deal with.