



SECURITY REINVENTEDSM

Tracker SA-TRK

Electrical specifications

Number of tracked U-Keys or Tags	Unlimited
Credential enumeration rate	Up to 100 credentials per second
System Interface	Guardian software
Power Supply	5V DC or PoE
Backup Battery Life	8 hours; automatically recharges with trickle current
Visual Interface Verification	Flashing yellow and solid green LEDs
Operating Temperature	0° C to +70° C
Certifications/Compliance	FCC Part 15 B&C
Reader Technology	Hands-free, wireless
Reader Frequency	2.4 GHz
Reader Range	1" to 100 ft, programmable
Communication Security	PKI, AES
Wireless Communication Protocol	Proprietary: Extreme low power (ELP) protocol & 802.15.4
Electrical Warranty	2 years



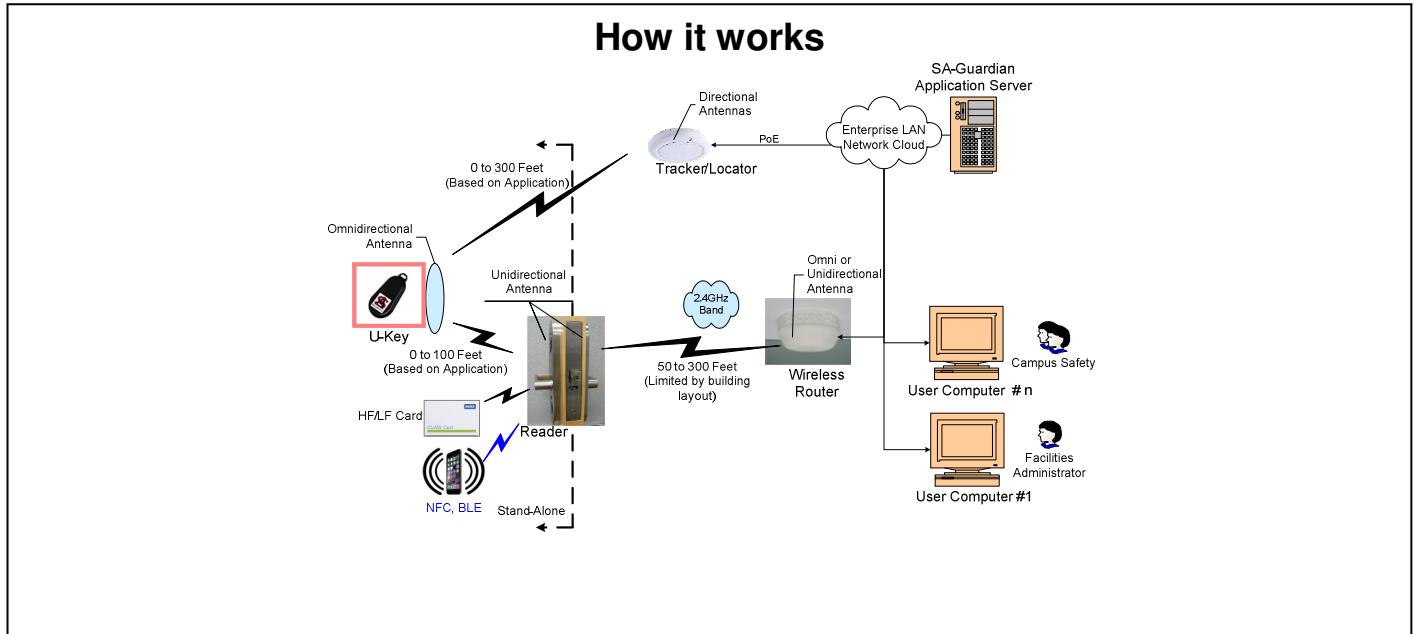
Features & Benefits

- Enumerates an unlimited number of U-Key™ or Tag credentials.
- Reports approximate location of enumerated credentials.
- Can be configured for two modes of operation:
 - **On-demand:** Tracker is normally inactive and only scans for credentials when required, i.e. to determine locations of people in emergencies.
 - **Continuous:** Tracker continuously monitors credentials in its vicinity, i.e. to verify presence of asset tags.
- Connection to the Guardian system is either wireless (through an SA-ROU device) or wired over Ethernet.
- Utilizes static IP address or DHCP
- Power-Over-Ethernet or DC voltage

Mechanical specifications

Case Material	Plastic
Dimensions	5" diameter X 2" high
Mounting Options	Ceiling level; above a drop ceiling; wall mounted. For custom mounting, consult with factory
Vandal Protection	Integrated tamper sensors
Mechanical Warranty	2 years

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Frequently asked questions

- 1. How does the Tracker determine the location of U-Keys™ or U-Tags?** The tracker has many directional antennas, each pointing in a different direction. When communicating with U-Keys™ or U-Tags, the tracker analyses the received RF signal strength on each of the antennas to get an indication of the direction of the credential. The received signal strength gives an indication of distance. When the same credential is in range of multiple trackers, server software can refine location accuracy by combining this information.
- 2. How does the Tracker communicate with the SA-Guardian server?** The Tracker has an Ethernet port and can be connected directly to a local area network. If this is not practical, the Tracker can also communicate wirelessly, as long as it is installed within the range of one or more SecureALL routers.
- 3. How often does the Tracker perform a scan and update the location of credentials?** This is configurable and can be as often as every five seconds.
- 4. What level of encryption is incorporated in the system?** SecureALL utilizes multiple level of encryption (PKI and AES), first to ensure that any equipment being added to a customer's system is genuine, and then to guarantee that end-to-end communication between all layers is secure at the highest possible level. Customers have complete control over encryption keys.