



Long range reader

U90



UHF LONG RANGE READER FOR SECURE PARKING AND GATE CONTROL

- Convenient – Discreet hands-free authentication solution for long range parking and gate control.
- Dynamic – Field configurable via a full user interface for ease of maintenance.
- Compliant – Supports UHF ISO 18000-6C compliant credentials containing Secure Identity Object® (SIO®) encryption technology.
- Powerfully Secure – Encryption of card data through controller, enabling secure end-to-end communications.

HID Global's iCLASS SE® U90 Long Range Readers offer an extended range solution for parking and gate control. Featuring advanced encryption technology, the solution delivers the most secure ultra-high frequency (UHF) access control on the market. With a read range of up to five meters, the iCLASS SE U90 can read multiple credential types and support a mixed credential population. The ability to combine building access with parking and gate control on a single card or fob offers both convenience and security.

As part of HID Global's iCLASS SE platform for advanced security, the readers utilize state-of-the-art authentication through the platform's Secure Identity Object (SIO) data model. When paired with SIO-enabled UHF credentials, the platform provides trusted and secure communication between the card and reader to prevent unauthorized access. The iCLASS SE U90 Long Range reader is built on the Security Industry Association (SIA) Open Supervised Device Protocol (OSDP) standard, which also ensures secure transmission of data from the reader to the controller.

Built to withstand exposure to severe weather, the reader includes a rugged housing that protects the antennae and electronics from harsh conditions. The easy-to-install readers are built on the VESA standard and do not require custom mounting hardware. Once installed, the iCLASS SE U90 can be locally configured via an Ethernet port and a user-friendly web interface for ease of maintenance.

iCLASS SE U90 TECHNOLOGY FEATURES:

Dual payload – SIO® and EPC (Electronic Product Code) data payload for backward interoperability.

Multi-layered security (beyond the chip security) – ensures data authenticity and privacy through HID Global's SIO supporting state-of-the-art cryptography (with AES 128 cryptography).

SIO data binding – inhibits data cloning by binding an object to a specific credential.

Easy configuration with the embedded web interface – provides all tools necessary for a seamless installation.

Reader type	long range
Card standard	UHF SIO
Operating frequency	865-868 MHz
Read range	up to 5 m
Supply voltage	12 V/24 V DC
Current load	400 mA
Tamper sensor	optical
Output interface	Wiegand, Open Supervised Device Protocol (OSDP)
Hardware connection	terminal strip
Color	black
Dimensions	231 mm x 231 mm x 70 mm
Indoor /outdoor	for indoor and outdoor use
Temperature range	-35°C to 65°C
Humidity (non-condensing)	5% - 95%

