RDRSEU908K00000

HID iCLASS SE U90, SE E, No PROX, UHF, 865-868 MHZ, STD, WIEGAND, TERM, BLK, STD 1 SECURITY

HID Global's iCLASS SE ® U90 long range readers offer an extended range solution for parking and gate control. Featuring advances 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.

Details

- 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

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Technical specifications

System

Reading distance	3 to 5 m
Max. reader distance to panel	152 m
RTE (Request To Exit)	No
CSN (Card Serial Number)	Yes
Custom data model	No
No. of LEDs	1
No. of covers included	1

Technology

Reader type	Long range
Reader operating-transmitting frequency	868 MHz
Support technology UHF	UHF EPC Class 1 Gen 2/ISO 18000-6C
Read write	No
SAM module embedded	No

Interface & connections

Interface	Wiegand
Connector type	Terminal Strip

Tamper type

Pry-off tamper	Yes
Opening tamper	No

Operation

Stand-alone	No
PIN keypad	No

Electrical

Power supply type	VDC
Power supply value	12 or 24 VDC
Current consumption	160 mA @ 24 VDC

Physical

Physical dimensions	231 x 231 x 70 mm
Net weight	1.844 kg
Shipping weight	1.884 kg
Colour	Black
Material	Polycarbonate
Form factor	Oversized
Mounting type	Surface mount
Dimensions	23.1 cm x 23.1 cm x 7.0 cm
Color	Black
Housing material	UL94 polycarbonate
Mounting	Drill mounting box to meet application. Drill points provided for US and EU wall boxes and 75 mm, 100 mm, 200 mm VESA mounts.

Environmental

Environment	Outdoor
Operating temperature	-35 to +65°C
Storage temperature	-55 to +85°C
Relative humidity	5 to 95% noncondensing
IP rating	IP 65

Regulatory

Compliancy	ANATEL, CE, cUL, FCC, IC, IFETEL, RoHS, UL 294

Model name

iCLASS SE U90 Long Range Reader

Base part number

RDRSEU90

Electronic

Transmit frequency	865 - 868 MHz / 902 - 928 MHz (dependent on regional regulations)
Typical maximum read range	3 to 5 meters
Input voltage (VDC)	12 VDC or 24 VDC
Current	Standby average - 320mA @ 12VDC / 160mA @ 24VDC
	Max average - 400mA @ 12VDC / 200mA @ 24VDC
	Peak - 1.0A @ 12VDC / 0.5 @ 24VDC
Maximum cable length	Wiegand - 500 ft (152 m) - 22 AWG / 300 ft (91 m) - 24 AWG
	RS-485 - 4000 ft (1219 m) - 24 AWG

Thermal

Storage temperature	-55° to 85°C
Operating temperature	-35° to 65°C
Operating humidity	5% to 95% relative humidity non-condensing
Environmental rating	IP65

Other

Standards	UL294/cUL (US & Canada), CB Scheme, FCC Certification (US), IC (Canada), CE (EU), IFETEL (Mexico), ANATEL (Brazil)
Crypto-processor hardware common criteria rating	EAL5+
Card compatibility	UHF EPC Class 1 Gen 2, ISO 18000-6C

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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