NOT YOUR ORDINARY ACCESS CARD READER.

XK-3640™

uAxcess by **AWiD**

INTRODUCING THE ALL NEW XK-3640™ uAxcess CARD & PIN READER

TRUST US... WE GET IT. IT'S A FAST-PACED WORLD OUT THERE. AWID's **XK-3640**™ UHF switchplate-type reader is designed with the user in mind: responsiveness, security, and speed. Utilizing these crucial characteristics, we have developed the essential access link for door entry into buildings, or gate entry into specified parking facilities.

Cutting-edge UHF reader technology allows the use of hand-held cards **and** keytags used for access control into buildings, as well as by drivers at the gate. For added convenience, the **XK-3640**™ also boasts a 12-character keypad for PIN authorization in the event of the user having no access to their hand-held card or keytag. The cards and keytag are compatible with AWID's LR-2000, LR-2200 and LR-3000 long-range readers.

AWiD

FEATURES

- **People access by cards and PINs:** *Same cards for vehicles and people*

- **Quick access at busy entrances:** *Read range up to 6 inches*

- **Easy mounting:** *Fastens on electrical box or wall*

- **Easy wiring for power and data:** *Connects like a proximity reader*

- **Combines car and personal access:** *Interfaces to common access control*

- **Program keypad format in field:** *Set of 4 or 8 bit bursts, or buffered 26 bits*

- **Program keypad's site code:** *Set site code for 26-bit PIN format*

- **Compatible with access systems:** *Standard code formats & interfaces*

- **Visible and audible feedback:** *Reads indicated by LED and beeper*

- **Great appearance in all locations:** *Attractive enclosure, compact dimensions*

NOTE: When installed outdoors and exposed to rain, snow, or direct sunlight in a hot environment the XK-3640™ must be inside a housing with minimum IP64 rating.

XK-3640™
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uAxcess CARD & PIN READER ▶ SPECS

BUILDING OR PARKING ACCESS

OPERATING CHARACTERISTICS

READING DISTANCE:
- On wall or metal – up to 6 inches

FREQUENCY BAND:
- 902 to 928 MHz
- Frequency-hopping technology

POWER SUPPLY:
- +5 to +12 volts DC supply; rated 1.0 ampere or more; linear type; regulated DC output (panel's power terminals are OK)

COMMUNICATIONS PROTOCOL:
- Wiegand and RS-232, simultaneous

CODE FORMATS:
- Programmed in AWID's UHF credentials
- Reads 26-bit to 50-bit codes

CABLE (FOR WIEGAND INTERFACE):
- 22-gauge, 4 wires, stranded, color-coded
- Overall shielded for both power and data
- Up to 500 ft long for Wiegand interface

PHYSICAL CHARACTERISTICS

DIMENSIONS: 3.1 x 4.9 x 1.0 in (7.9 x 12.5 x 2.5 cm)

WEIGHT: 8 oz (227 grams)

MATERIAL (COLOR): ABS 2-part enclosure, black

CABLE (INTEGRATED WITH READER):
- 10 conductors, 18 inches long
- Overall shielded, gray plastic jacket

MOUNTING (SUPPLIED BY INSTALLER):
- On wall or single-gang utility box

ENVIRONMENT

OPERATING TEMPERATURE:
- At 50% duty cycle: -31ºF to +150ºF (-35ºC to +65ºC)
- At 100% duty cycle: -31ºF to +115ºF (-35ºC to +45ºC)

OPERATING HUMIDITY: 0% to 95% non-condensing

PROTECTION FROM ENVIRONMENT: Use protective housing if keypad is exposed to rain, snow, or vandalism

CERTIFICATION

ISO 9001:2000, FCC Part 15, IC, RoHS compliant

INSTALLATION

The XK-3640™ reader fits perfectly on a single-gang electrical utility box, a wall, or other surface, using two screws (supplied). With simultaneous Wiegand and RS-232 data output, the XK-3640™ reader can be interfaced for a wide variety of access control, special system control, and user identification applications.

OPERATION

The system's Operation Mode may be any combination of card-read and PIN-entry, including card-reader-only or keypad-only. The card reader uses "re-present" mode. A card or keytag must be removed from the field, and then brought back into the field for a second read. This eliminates unintentional multiple reads of a card's code. Read range is up to 6 inches.

CREDENTIALS

The hand-held cards and keytag for the XK-3640™ are the same as the credentials that AWID offers for its UHF long-range readers in gate applications for vehicle access. Encoding in the cards and keytag has the same format and data fields as in AWID's credentials for all other reader types.

The XK-3640™ reader's read range is up to 6 inches, while mounting the unit directly on metal slightly reduces the read range. Presenting any AWID UHF card to the reader causes the beeper to sound and the LED to change color.

ACCESSORIES AND SUPPLIES

MOUNTING HARDWARE:
Screws for single-gang electrical utility box are supplied with the XK-3640™ reader.

POWER SUPPLY:
The XK-3640™ reader operates with voltage between +5 volts and +12 volts DC. Most controller panels provide suitable voltage and current on the "+DC Power" and "ground" terminals. An external DC power supply (nominal +12 volts, 1 ampere, linear-rated, regulated output) may be used.

CABLE FOR POWER AND DATA:
A single cable interfacing the reader to the panel should be 22 gauge, 4 conductors, **overall shielded**, stranded wires, color-coded, not twisted pairs. Using Wiegand interface, cable may be up to 500 feet long for power and data.

INSTALLATION SHEET: Download full instructions at **AWID.com**