



Maximum RFID

XP-3620TM UHF Card Reader

AWID's XP-3620 UHF Switchplate-Type Reader is the link between card access by people at doors in buildings, and vehicle access at gates for parking. The XP-3620 reads the same UHF hand-held cards and keytag that drivers use for vehicle identification and gate control at a parking facility. These cards and keytag are compatible with AWID's LR-2000, LR-2200 and LR-3000 long-range readers and their "HiLo" sets. The enclosure is a striking, deep black design.

Installation The XP-3620 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 XP-3620 reader can be interfaced for a wide variety of access control, special system control, and cardholder identification applications.



Features The reader's 2-color LED and beeper are controlled by the reader itself. No external wiring is required for this feedback.

The XP-3620 is self-testing, using its LED and beeper as indicators. It needs no interface to a controller to show that it is performing correctly. The reader can be demonstrated with nothing more than a DC power source (even a battery) and a card or keytag.

Operation The XP-3620 reader uses "re-present" mode. After a card is read, it 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 into the host system. Read range is up to 6 inches.

Environment The XP-3620 may be installed indoors or outdoors. The reader is secure when its cover is in place after installation. The electronic circuits are protected from moisture. The reader may be exposed directly to rain, water sprinklers, snow, or bright sunlight in a hot environment.

Credentials The hand-held cards and keytag for the XP-3620 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 XP-3620 reader's read range is up to 6 inches. (Mounting the XP-3620 directly on metal slightly reduces the read range.) Presenting any AWID UHF card or keytag to the reader causes the beeper to sound and the LED to change color momentarily.

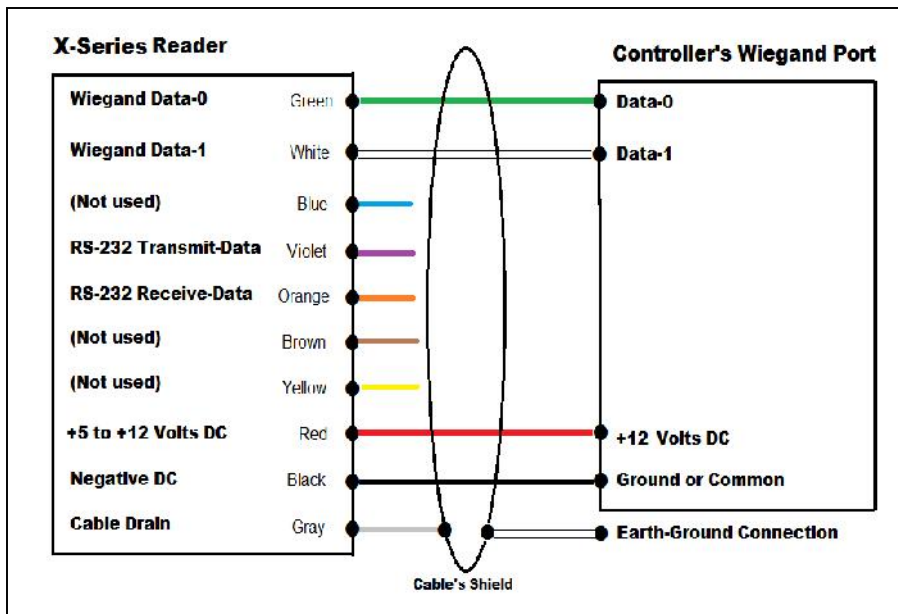


FEATURES

- People access using UHF cards ...
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 people access ...
Interfaces to common access control
- Reader needs no programming ...
XP-3620 reads all AWID UHF cards
- 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, small size

XP-3620™

UHF Card Reader



OPERATING CHARACTERISTICS

Reading Distance:

On wall or metal – up to 6 inches

Frequency Band:

902 to 928 MHz

Frequency-hopping technology

Antenna Output:

Circular-polarized RF field

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 feet long for Wiegand interface

PHYSICAL CHARACTERISTICS

Dimensions:

3.1 x 4.9 X 1.0 inch (7.9 x 12.5 x 2.5 cm)

Weight:

6 ounces (170 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 -

-31°F to +150°F (-35°C to +65°C)

At 100% duty cycle -

-31°F to +115°F (-35°C to +45°C)

Operating Humidity:

0% to 95% non-condensing

CERTIFICATION

ISO-9001:2000; FCC Part 15; IC;

UL listed; RoHS compliant

ACCESSORIES AND SUPPLIES

- Mounting hardware – Screws for single-gang electrical utility box are supplied with the XP-3620 reader.
- Power supply – The XP-3620 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. Ask AWID about specifications.
- 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 from AWID's Web site www.awid.com.

CREDENTIAL OPTIONS

- Hand-held cards and keytag – Clamshell and graphics UHF cards, and keytag (use also for LR-2000, LR-2200 and LR-3000 readers). Ask AWID about selection and instructions.
- All credentials must be AWID's products that are specified for this reader model.

DISCLAIMER: Specifications are subject to change without notice. AWID reserves the right to make changes to improve performance without impacting form, fit or function. The XP-3620 model designations are Trademarks of Applied Wireless Identifications Group, Inc. All other trademarks are property of their respective owners.



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