

## Maximum RFID

# UHF CREDENTIALS for HOLDING BY HAND with LR-2000-3000 & uAxxcess READERS

### CS-UHF-0-0 Clamshell Card

- ) Rugged card with slot — long life in rough usage
- ) Held by clamping edges between thumb and fingertips
- ) Hands-free identification — completely portable
- ) Convenient — carry loose or on strap or in pocket



### GR-UHF-0-0 Graphics-Quality Card

- ) High-quality card for direct photo ID badge printing
- ) Slim card with smooth finish for user data, bar code, company logo
- ) May be slot-punched for portrait or landscape
- ) Best for carrying in wallet or pouch, or for multiple technologies



### KT-UHF-0-0 Keytag

- ) Right-sized tag for easy carrying and holding — waterproof for pools
- ) Hangs on keyring, keychain, strap or hook
- ) Good range with small size — reads hanging below keys
- ) Tag always accessible with keys — always ready to read



### HT-UHF-0-0 Hangtag

- ) Hook in end of tag makes it easy to hold or hang
- ) Just squeeze the hook between thumb and fingertip
- ) Extended size makes Hangtag easy to use, hard to lose
- ) Dual purpose tag — hangs inside vehicles, and goes with you



NOTE: For UHF vehicle-mounted tags, see product sheet "UHF Vehicle-Mounted Credentials". For credentials held by hand, see below.

**Reading Distances** – Up to These Distances in Practical Applications

Card or Tag - Held in Fingers	LR-2000, LR-2200, LR-3000	uAxxcess Readers
CS-UHF-0-0 Clamshell Card	20 feet (6.1 meters)	6 inches (15 cm)
GR-UHF-0-0 Graphics Card	15 feet (4.5 meters)	6 inches (15 cm)
KT-UHF-0-0 Keytag	12 feet (3.6 meters)	6 inches (15 cm)
HT-UHF-0-0 Hangtag	10 feet (3.0 meters)	6 inches (15 cm)

**Reader Selection** For use with all AWID UHF reader models, both long-range and near-field.

**Technology in Tags and Cards**

- ] UHF communications: Bi-directional between UHF readers and credentials.
- ] Excitation frequency: 865-868 MHz for the LR-2200 reader; 902-928 MHz for other UHF readers.
- ] Read repetition rate: Set in the readers. For "LR" readers, rep rate is 3 reads per second (field-programmable to slower rates).

**Encoding for Tags and Cards**

- ] Code format type – Wiegand.
  - Open code formats – 26-bit-STD and 37-bit-AWID.
  - For a custom format, call AWID.

**Information Required in Purchase Order** (Include leading zeros in facility code and ID numbers.)

- Quantity.
- AWID's part no.
- Code format (example: 26-bit-STD).
- Facility or site code.
- Start ID number sequence.

**Environmental Conditions**

- ] Operating temperature: -31° F to +150° F (-35° C to +65° C).
- ] Operating humidity: 0% to 95% non-condensing.
- ] Exposure to weather: All tags accept exposure to bright sunlight. They may be used in rain, snow, and car washes.

**Size of Tags and Cards (Approximate)**

Card or Tag	Width	Height	Thickness	Notes
CS-UHF-0-0 Card	3-3/8 inches	2-1/8 inches	0.065 inch	Rugged card. Slot for clip-strap.
GR-UHF-0-0 Card	3-3/8 inches	2-1/8 inches	0.033 inch	For photo ID badge printing.
KT-UHF-0-0 Tag	1-3/4 inches	1-1/16 inches	3/16 inch	Slot in metal tab for key ring or chain.
HT-UHF-0-0 Tag	2-1/4 inches	6-1/2 inches	1/32 inch	Present to reader with fingers at hook.

**Slots and Holes**

- ] GR-UHF cards may be punched with a slot for either portrait or landscape. See instructions sheet in carton for locations of slot.
- ] CS-UHF, KT-UHF and HT-UHF must have **no slots or holes**, punched or drilled, anywhere on the credential.

**Applications**

- ] For identification and access of vehicles at gates and doors for parking facilities, gated communities, etc.
- ] For identification of drivers and passengers in vehicles when the hand-held card or tag is presented to the reader at the gate.
- ] For physical access of people at doors in buildings, or at turnstiles, using the same credential as for gate access of vehicles.

**Custom Graphics**

- ] For CS-UHF and HT-UHF only.
  - For quotation, send original artwork to AWID.
  - A local printer may be able to print graphics.

**Literature for UHF Credentials**

- ] Before installing any tag, read AWID's "Installation Instructions" sheet for that tag type.
- Visit AWID's Web site [www.AWID.com](http://www.AWID.com) to download all literature.

**Options and Accessories**

- ] LR-TEK LR Reader Tech Kit: Required -- a one-time purchase for every installing dealer.