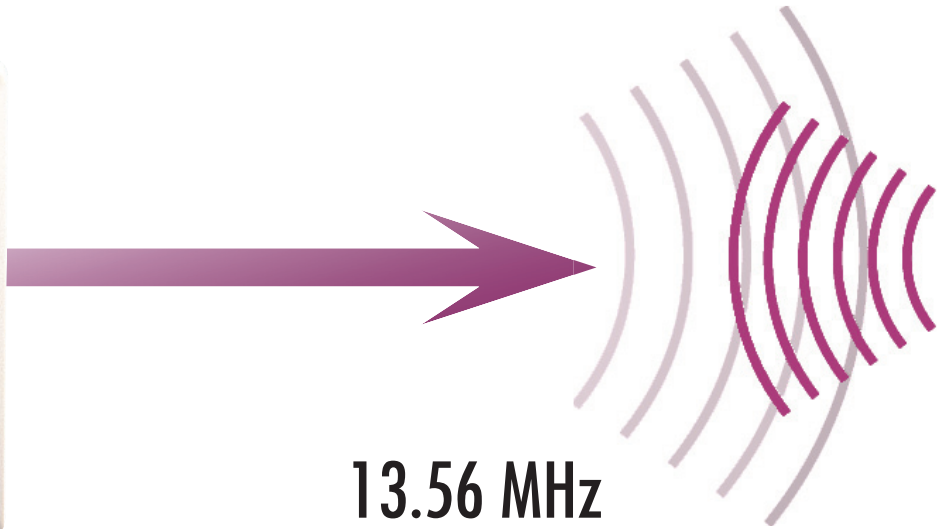




ET4-WXS



13.56 MHz

## Proximity Readers for Access Control

e\*Tag<sup>®</sup> Quasar reader/writers are used for Access Control and a wide variety of Automatic Identification and Data Collection applications. Compliant with ISO 15693 standards, these high frequency 13.56 MHz units offer the latest in open architecture and interoperability.

The ET4-WXM and ET4-WXS units have been optimized for use in access control applications. An industry-standard Wiegand interface allows easy connection to control panels by most manufacturers. Bi-color LED and buzzer control are also provided.

An RS-485 communications protocol is included. This permits two-way data transfer for read/write applications. Used with, or instead of, the Wiegand communications, RS-485 offers the systems integrator unique opportunities for merging access control and other systems.

Secura Key offers contactless smart cards, key tags, wrist bands and other credentials for use with these readers. Choose uncoded cards that you can program in the field, or factory-encoded cards with our highly secure DES encryption key.

“Personalized Stock” cards feature a choice of colorful backgrounds and up to 3 lines of custom text. Custom 4-color graphics, bar codes, magnetic stripes, signature panels and other options are also available.

ET4-WXM is a million-size reader that is fully potted for extreme weather conditions. ET4-WXS is a switchplate-sized potted reader that can be used with a single-gang electrical box. Both models are easy to install and very reliable.



ET4-WXM

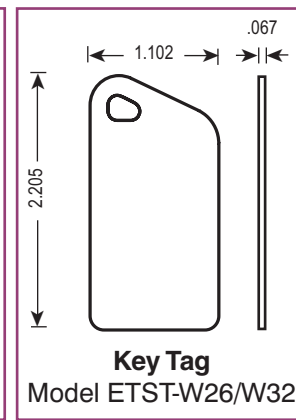
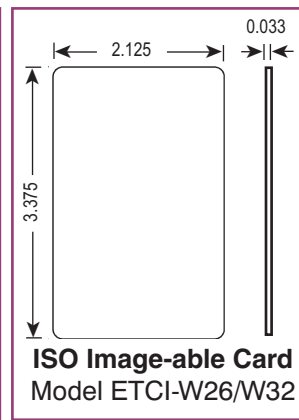
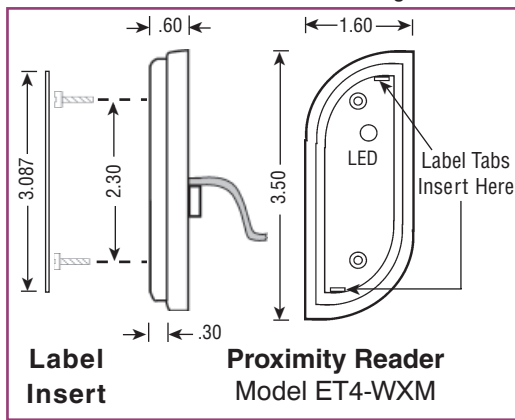
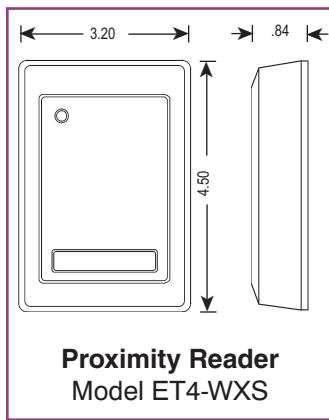
### FEATURES:

- **Read and Write Contactless Smart Cards**
- **High Frequency 13.56 MHz**
- **ISO 15693 and 14443A Compliant**
- **Wiegand Output**
- **RS-485 Communications**
- **Extreme Weather Resistance**

Specifications subject to change without notice  
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# e\*Tag<sup>®</sup> - QUASAR SPECIFICATIONS

All dimensions in drawings are indicated in inches.



## PHYSICAL

Type	Switchplate Reader	Mullion Reader	ISO Image-able Card	Key Tag
Model	ET4-WXS	ET4-WXM	ETCI-W26/W32	ETKT-W26/W32
Depth	0.84" (2.13 cm)	0.60" (1.52 cm)	0.033" (0.08 cm)	.067" (0.17 cm)
Width	3.20" (8.13 cm)	1.60" (4.06 cm)	2.125" (5.40 cm)	1.102" (2.80 cm)
Height	4.50" (11.43 cm)	3.50" (8.89 cm)	3.375" (8.57 cm)	2.126" (5.40 cm)
Weight	6.67 oz. (189.15 gm)	2.88 oz. (81.65 gm)	0.20 oz (5.67 gm)	.008 oz (0.23 gm)
Material	Polycarbonate	ABS	PVC	PVC
Color	Beige or Black	Black	White	Black

**POWER REQUIREMENTS**      5-14 VDC, 90 mA maximum

## INPUTS AND OUTPUTS

Wiegand	Data 1 and Data 0	Output sink current 100mA; Output source current 5mA
RS-485	Peer-to-Peer	Ground to Activate
Bi-Color LED	Red and Green	Ground to Activate
Buzzer Control		Ground to Activate
Hold Line		5-10 conductor; depending upon options used;
Cable Required	up to 500 ft.	18-22 AWG, shielded

## READER CONNECTIONS:

WIRE#	WIRE COLOR	DESCRIPTION
1	BLACK	GROUND (-)
2	RED	5 - 14 VDC
3	BLUE	HOLD LINE*
4	YELLOW	BUZZER*
5	BROWN	RED LED INPUT*
6	ORANGE	GREEN LED INPUT*
7	GRAY	RS-485 - A / TTL-TXD
8	VIOLET	RS-485 - B / TTL - RXD
9	WHITE	WIEGAND DATA 1
10	GREEN	WIEGAND DATA 0

\*CONNECT TO GROUND TO ACTIVATE

## ENVIRONMENT

Temperature	-40° to +158 °F (-40° to +70°C)
Humidity	0 to 95% Non-Condensing

## OPERATIONAL

Operating Frequency	13.56 MHz (ISO 15693 Compliant)
Reading Distance	ET4-WXS Up to 6" (15.24 cm) (Less with Keytag) ET4-WXM Up to 4" (10.16 cm)(Less with Keytag)
Card/Tag Operation	Passive

## OPERATING MODES

Card Data (Default)
UID Wiegand
Read/Write-host managed

## CARDS AND TAGS

Uncoded Transponders	64-bit Unique Identifier and 2000 bits read/write space
Encoded Transponders	DES encryption key, card number and facility code, 26-bit or 32-bit Wiegand, standard

This product complies with UL 294 Standards, with Part 15, Class B FCC Rules and CE European Standards.

## WARRANTY (U.S. and Canadian)



"This product is warranted against defects in materials and workmanship for life. Secura Key shall, at its option, either replace or repair this product, if returned to us freight prepaid within the warranty period. This warranty does not include freight, taxes, duties, or installation expenses. THE WARRANTY SET FORTH ABOVE IS EXCLUSIVE AND NO OTHER WARRANTY, WHETHER WRITTEN OR ORAL, IS EXPRESSED OR IMPLIED. SECURA KEY SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. The remedies provided herein are the buyers' sole and exclusive remedies. In no event shall Secura Key be liable for direct, indirect, special, incidental or consequential damages (including loss of profits), whether based on contract, tort or any other legal theory." Contact Secura Key for Card/Tag and Export Warranty Policies.

## DISTRIBUTED BY:



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