ASTUTO

SMART CREDENTIALS

Astuto smart credentials were more versatile, and more secure when compared with legacy 125kHz frequency technologies. specifically designed to make access control more powerful.

Astuto offers durable and reliable smart credentials with factory programming, including off-the-shelf encryption keys. It supports standard and unique bit formats, choice of facility codes, and ID ranges tailored to meet your specific needs.

All data transmission between the card and reader is encrypted using a secure algorithm. By using industry standard encryption techniques, Astuto reduces the risk of compromised data or duplicated cards.

The Astuto ISO Card meets ISO thickness standards for use with direct image and thermal transfer printers.

TECHNICAL SPECIFICATIONS

Part Numbers	ASTISOCARD	ASTGELTAG	ASTDISC	
Encryption	128-bit AES	128-bit AES	128-bit AES	
Dimensions	85.7 mm x 54.0 mm x 0.8 mm	50 mm x 30 mm x 4 mm	23 mm x 1 mm	
Frequency	13.56 MHz	13.56 MHz	13.56MHz	
Read Range *	Up to 5 cm	Up to 2 cm	Up to 2 cm	
Slot Punch	Vertical or horizontal optional	Key ring included	-	
Storage & Operating Temperatures	-10° to 70° C	-20° to +80° C	-10° to 70° C	
Material	PVC	PVC	PVC	
Printable	Yes	No	No	
Endurance	Min. 100,000 reads	Min. 100,000 reads	Min. 100,000 reads	
Colours	White	White	White	
Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime	

* dependant upon installation conditions

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TECHNICAL SPECIFICATIONS

Part Numbers	ASTGEMTAG	ASTDUOCARD	ASTBLE	
Encryption	128-bit AES	128-bit AES	256-bit	
Dimensions	32mm x 55.5mm x 7mm	85.7 mm x 54.0 mm x 0.8 mm	–	
Frequency	13.56MHz	13.56 MHz/125 kHz	2.4GHz	
Read Range *	Up to 2 cm	Up to 5 cm	Up to 12 m	
Slot Punch	–	Vertical or horizontal optional	–	
Storage & Operating Temperatures	–20º to 50º C	–10º to 70º C	–	
Material	ABS	PVC	QR Code	
Printable	Yes (number only)	Yes	–	
Endurance	Min. 100,000 reads	Min. 100,000 reads	–	
Colours	White	White	–	
Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime	

* dependant upon installation conditions

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