

# 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 1 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 1 cm	Up to 5 cm	Up to 12 m
Slot Punch	-	Vertical or horizontal optional	-
Storage & Operating Temperatures	-20° to 50° C	-10° to 70° 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