

# 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	ASTGEMTAG	ASTDISC25
Encryption	SL3	SL3	SL3
Dimensions	85.7 mm x 54.0 mm x 0.8 mm	32mm x 55.5mm x 7mm	25 mm x 1 mm
Frequency	13.56 MHz	13.56 MHz	13.56MHz
Read Range *	Up to 3 cm	Up to 1 cm	Up to 1 cm
Slot Punch	Marking only	Key ring included	-
Storage & Operating Temperatures	-10° to 70° C	-10° to +50° C	-10° to 70° C
Material	PVC	ABS+Zinc Alloy	PVC
Printable	Yes	Yes (number only)	Yes (number only)
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	ASTDUOCARD	ASTBLE	ASTDUOCARD-C
Encryption	SL3	256-bit	SL3
Dimensions	85.7 mm x 54.0 mm x 0.8 mm	-	85.7 mm x 54.0 mm x 0.8 mm
Frequency	13.56 MHz/125 kHz	2.4GHz	13.56 MHz/125 kHz
Read Range *	Up to 3 cm	Up to 12 m	Up to 3 cm
Slot Punch	Marking only	-	Marking only
Storage & Operating Temperatures	-10° to 70° C	-	-20° to 70° C
Material	PVC	QR Code	PETG
Printable	Yes	-	Yes
Endurance	Min. 100,000 reads	-	Min. 100,000 reads
Colours	White	-	White
Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime

\* dependant upon installation conditions