



## POPULAR FORMAT FOR ISSUANCE OF RELIABLE CREDENTIALS

- **Seamless Integration:**  
Proven form factor is recognized worldwide.
- **Great Value:**  
Reliable, long-term performance.
- **Card Customization:**  
May be pre-printed and pre-programmed per specification.

Cost-effective and reliable, Clamshell Cards are among the most popular contactless identification card form factors, with tens of millions currently in use worldwide. They enable issuance of secure radio frequency identification (RFID) credentials for organizations of any size.

The familiar cards may be attached to a lanyard or keychain via a standard clip aperture. Clamshell cards offer universal compatibility with a broad variety of proximity readers, and deliver highly consistent read ranges that are unaffected by body shielding or variable environmental conditions, even when close to keys.

Clamshell Cards last. They are strong and highly resistant to cracking and breaking, while the passive, battery-free design allows for an infinite number of reads.

Cards may be pre-programmed to customer requirements, and pre-printed with custom artwork. Blank cards may be personalized with direct-print adhesive backed labels, enabling efficient issuance from either a centralized site or distributed locations.

Customers can rely on ASSA ABLOY engineering and manufacturing expertise to deliver the world's most advanced, reliable contactless Clamshell Cards. Proven processes and automated manufacturing ensure high quality Clamshell Card production.



## SPECIFICATIONS

### TECHNOLOGY HIGHLIGHTS:

Clamshell cards operate at 125 kHz with up to 256 bit read-write memory. With an ABS shell and PVC cover foil, they are durable and offer optional pre-programming and pre-printing.

### APPLICATION AREAS:

Clamshell cards are recommended for access control or time and attendance applications in corporate, government and educational environments.

Clamshell Cards	
	Q5, ATA5577
	Unique
ELECTRONIC	
Operating Frequency	125 kHz
Chip Types	Q5, ATA5577
Available Memory	264 bit read-write
	64 bit read-only
PHYSICAL	
Dimensions	3.4 x 2.1 x 0.07 in (85.7 x 53.9 x 1.73 mm)
Housing Material	ABS shell; PVC cover foil
Color	White
CHEMICAL AND MECHANICAL	
Water	IP68, 68° F (20° C), 3.3 ft (1 m) x 24 h
Withstands Exposure To	Acetic acid water 5%, artificial perspiration, salt water 5%, sodium carbonate 5%, sugared water 10%
Environmental Test Conditions	68° F (20° C), 24 h
THERMAL	
Storage	+14° to +122° F (-10° to +50° C), 1000h
Operating	+14° to +122° F (-10° to +50° C)
Shock/Fatigue	-31° to +122° F (-35° to +50° C), 50 x 5 min with 20 sec transition
OTHER	
Optional Features	Dual-sided printing; encoding; embossed logo
Warranty	1 year



**ASSA ABLOY**