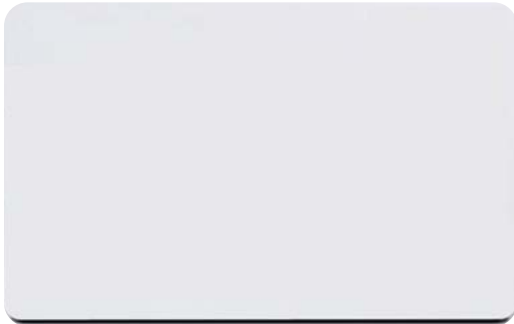# Seos™

SEOS 8K Memory 13.56MHz H10301 26bit card,
with rolling or fixed card serial number options

Key Features

- High Frequency Solution for Increased Security, Privacy and Portability
- Data confidentiality and strong authentication
- Designed for organisations with strict security
- Increased interoperability
- Technology–independent security

	iCLASS Seos	
Part Numbers	5006PGGAN	5006PGGAN7
Operating frequency	13.56MHz with ISO/ IEC 14443 Type A with rolling CSN (card serial number)	13.56MHz with ISO/ IEC 14443 Type A with fixed CSN (card serial number)
Typical Maximum Read Range	3"–4" (depending the reader used)	
Dimensions	2.127" x 3.375" x 0.033" max (5.40cm x 8.57cm x 0.084 cm)	
Construction	Composite with 60% PVC/40% PET	
Operating Temperature	−40° to 158° F (−40° to 70° C)	
Weight	0.20oz (5.5g)	
Memory Size/ Application Areas	8KB	
Secure Messaging	EN 14890–1 and 7816 aligned using AES/2TDEA algorithm	
Mutual Authentication Mechanism	Based on ISO/IEC 24727–3 2008 with NIST SP800–56A (for session key derivation)	
Write Endurance	Min 500,000 cycles	
Contact Smart Chip	Embedded	
Printable	Yes (white/white card) when used with direct imaging and thermal transfer printers Exclusion areas for printing may apply in some areas of the card plastic	
Data Retention	Min 20 years	
HID Proximity	No	
Slot Punch	Not available	
Warranty	Lifetime	