The ACOS2, ACOS3 and ACOS5 cards belong to an established line of high-speed process based smart cards developed by ACS to meet the growing need for high security smart card applications. These applications include access control, payment systems, PKI, Mircosoft Windows Logon, and customer loyalty programs.

And with the ACOS Secure Access Module(ACOS3-SAM), applications will have an easier and more secured way of performing authentication and purse functions to the ACOS3 cards . Terminals need not know the master key(s) of an application, as they are stored safely inside the ACOS3-SAM.

Additionally, ACS offers the ACOS hybrid card option which features the integration of both contactless (13.56MHz) and contact ACOS chip technologies in one card body while maintaining the true independent data management. This type of hybrid card is ideal for use in both physical and logical access systems.

Category	ACOS2	ACOS3	ACOS3-SAM	ACOS5
Product Code	ACOS2-8.0	ACOS3-16	ACOS3-8.0-SAM	ACOS5-32
Communication Speed				
9,600 bps	●	●	●	●
14,400 bps		●	●	
28,800 bps		●	●	
57,600 bps		●	●	
115,200 bps		●	●	●
EEPROM				
Memory Size (byte)	8K	16K	8K	32k
Configuration				
Configurable ATR		●	●	●
Configurable Baud Rate		●	●	●
Protocol				
T=0	●	●	●	●
Standard				
ISO 7816-1/2/3	●	●	●	●
ISO 7816-4			●	●
ISO 7816-8/9				●
File Systems				
Directory file			●	●
Transparent File			●	●
Linear Fixed Record	●	●	●	●
Linear Variable Record			●	●
Cyclic File			●	●
Security Keys				
User, Admin & Application specified PIN support	●	●		
DES/3DES key x2	●	●		
Customizable PIN and Key codes			●	●
Cryptographic Capabilities				
DES	●	●	●	●
3DES	●	●	●	●
MAC	●	●	●	●
AES-128 bits				●
RSA-512,1024,2048 bits				●

Secure Messaging				●
EEPROM Endurance				
500,000 write/erase cycles	●	●	●	●
Data Retention				
10 years	●	●	●	●
Applications				
Customer Loyalty	●	●		●
Payment System	●	●		●
Network Security	●	●		●
Corporate Identity	●	●		●
Microsoft Windows Logon	Custom	Custom		●
PKI Application				●
Cryptographic middleware layers CSP and PKCS#11				●
Security Access Module			●	