

AvidCard CAC USB Smart Card Reader

Contact Smart Card Reader with USB-A or USB-C Connector

■ READY TO USE

Driver support for all major PC operating systems

■ SUPPORTS ALL APPLICATIONS

Supports all major smart card ICs and technologies in just one device

■ FAST

Transaction time optimized for maximum end-user acceptance

■ CONVENIENT

Ultra-compact and robust design streamlined for mobile operation

■ SMARTOS™ POWERED

Also available with Type C Connector

AvidCard CAC is the ideal PC-linked contact smart card reader for a wide variety of secure applications. Providing full compliance with all major industry standards, including ISO/IEC 7816, USB CCID, PC/SC, and Microsoft WHQL, the AvidCard CAC works seamlessly with virtually all contact smart cards and PC operating systems.

Full support and compliance to EMV 2011 and GSA FIPS 201 expands daily use to applications requiring additional security and data protection. AvidCard CAC represents the perfect mix between modern stylish design, ergonomic handling, and a compact footprint. The extended card data transmission rate of up to 600 kbps with the support of TA1=97 enables the shortest possible transaction time for maximum end-user convenience.

Utilizing Identiv's Smart OS™ features easy and complete support of all major contact smart cards. With AvidCard CAC, the end user experiences convenience, transaction-time efficiency, security, and reliability for applications including network log-in, Windows authentication and Single Sign-On (SSO), Banking and cashless payment applications, and high-security use cases for federal governments.

PARAMETER	AvidCard CAC
Host Interface	USB 2.0 full speed (12 Mbps)
Smart Card Interface	
Supported Standards	• ISO/IEC 7816 Part 1 to 4 • EMV 2011 Ver 4.3 Level 1 (compliant)
Supported Tag ICs	All major ISO/IEC 7816 compliant smart cards and synchronous cards
Smart Card Protocols	T=0, T=1, synchronous cards I2C and 3-wire
Smart Card Interface Speed	• Up to 600 kbps • TA1=97
Smart Card Clock Frequency	ISO/IEC 7816 compliant; Operates up to 16 MHz
Supported Smart Card Types	5V, 3V and 1.8V, ISO/IEC 7816 Class A/B/C
Power to Smart Card	60mA in Class A; 55mA in Class B; 35mA in Class C
Smart Card Detection	• Card present switch • Automatic power on/off • Short circuit protection
Card Size	ID-1
Contact Type	• 8 pin ID-1 Sliding Contact Socket • C4/C8 support • Card detect switch

PARAMETER	AvidCard CAC
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2.01.14 for: <ul style="list-style-type: none"> • Windows® 7/8/10 (32 and 64 bit) • Windows® Server 2008/2012/2016/2019 • Windows® CE 6.0, 7.0 • MacOS 10.9.x, 10.10.x, 10.11.x, 10.12.x, 10.13.x • Linux 2.6.x, and 3.x, 4.x (32 and 64 bit) • Android 4.0 and higher
Software	<ul style="list-style-type: none"> • PC/SC API • CT-API (through wrapper on top of PC/SC) • M-Card API (through wrapper on top of PC/SC)
Operating Conditions	
Power Supply	Bus-powered USB
Power Consumption	<6mA excluding smart card; <20mA with standard card; <500µA in standby mode
Dimensions	70 x 48 x 14 mm
Weight	60g
Operating Temperature Range	0° to 50° C
Storage Temperature Range	-20° to 60°C
Operating Humidity Range	Up to 95% RH non-condensing
Durability	Sliding contact 100,000 card insertions
MTBF	100,000 hours
Cable	1.5m cable with USB Type A or Type C connector
Status Indicator	Green LED
Firmware	SmartOS™
Firmware In-Field Upgradeable	No
Certifications and Compliances	
Systems/Standards	EMV 2011 Ver 4.3 Level 1(compliant only), ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® HCK
Regulatory/Environmental	CE, FCC, UL 60950, GSA APL, RoHS2, REACH, WEEE
Ordering Information	
Product Part Numbers	<ul style="list-style-type: none"> • 993310-1 • 993310-2



AvidCard CAC USB-A

Desktops, Microsoft Surface, laptops, tablets
with full Type A USB ports



AvidCard CAC USB-C

MacBook, phones and tablets with (reversible)
Type C USB ports