MARKLAND

MCR3508AC

USB Type A&C Contact Smart Card Reader / Writer

This USB CCID PC/SC ultra-compact reader / writer - ideal for online banking / secure access / ID card reader.

The MCR3508AC is the ideal PC-Linked USB contact smart card reader for a huge variety of applications. Providing full compliance with all major industry standards such as ISO/IEC 7816, USB CCID, PC/SC, and Microsoft WHQL the MCR3508C seamlessly works 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. MCR3508 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.

The Identiv-specific SmartOS™ features easy and complete support of all major contact smart cards. With MCR3508C, 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.

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

Field Proven Firmware

- Powered by Identiv-specific SmartOS™

Parameter	Details
Host Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Communication Speed	12 Mbps (USB 2.0 full speed)
Support	
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 (depending on card) • 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 7816 smart card Class A, B, and 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 present switch
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2.01.14 for: • Windows® 7/8/10/11 (32 and 64 bit), Windows® Server 2008/2012/2016/2019, WindowsXP, • MacOS 10.9.x - 12.2.x, • Linux 2.6.x, and 3.x, 4.x, 5.x (32 and 64 bit), • Android 8.0 and higher
Software	• 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	USB Bus-powered
Power Consumption	<6mA excluding smart card; <20mA with standard card; <500μA in standby mode
Dimensions(L x W x H)	70 x 71 x 7.5 mm
Weight	50 g ± 5%
Operating Temperature Range	0° to 50° C (32° to 122° F)
Storage Temperature Range	-20° to 60° C (-4° to 140° F)
Operating Humidity Range	Up to 95% RH non-condensing
Durability	Sliding contact 100,000 card insertions
Connector	1.5m USB cable with USB type A&C connector
Status Indicator	Green LED
Firmware	SmartOS™
Firmware In-Field Upgradeable	No
Certifications / Compliance	
Systems/Standards	ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, RoHS