



HCR360

Machine Mounted Dual Functionality Reader



The HCR360 is an intelligent reader that complies to Personal Computer/Smart Card (PC/SC), International Standard Organization (ISO) 7811, ISO 7816, Europay, Mastercard, Visa (EMV) Level 1, American Association of Motor Vehicles Administrators (AAMVA) standards. It comes with feature rich capabilities including memory and CPU cards T=1/T=0, IC Card landing, built-in SAM (Security Access Module) socket, power fail auto unlatching and firmware upgradeable.

Features and Benefits

- EMV Level 1 certification
- PC/SC compliance
- IC Card landing contact
- Program firmware upgradeable
- Coin Drop
- Card Latching capability
- Power fail auto unlatching
- Optional Bi-color LED indicator



HCR360



M Bezel



S Bezel



T Bezel



Hospitality



Retail



Parking



Petroleum



Transportation



Vending



Kiosk

HCR360

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The HCR360 supports USI2 (communication protocol between the reader and the host (unique to America Magnetics) and Transport Layer Protocol (TLP-224) for communication between reader and the host. It fully conforms to Federal Communications Commission (FCC) class B, European Conformity (CE) class B and Bureau of Standards for Metrology and Inspection (BSMI) class B standards.

Specifications

ELECTRICAL

Processor:	+12VDC±10%
Power Consumption:	250mA maximum
Interfaces:	RS232 (USB, TTL optional)

MECHANICAL

Body Material:	PC+20%GF+6%PTFE
Dimensions:	119L x 100W x 31H mm
Weight:	Approx. 125g (without power adapter)
Card Handling Method:	Manual insertion, bi-directional

ENVIRONMENTAL

Operating Temperature:	-10°C to +50°C
Storage Temperature:	-30°C to +70°C
Operating Humidity:	15% to 90%
Storage Humidity:	10% to 90%

AGENCY APPROVAL

FCC class B, CE class B, BSMI class B

PERFORMANCE

Read Card Format:	Track 1: Bit Density 210 bpi Track 2: Bit Density 75 bpi Track 3: Bit Density 210 bpi
Read Capability:	Magnetic stripe - dual or triple track of low/high coercivity (300~4000 Oe)
Card Types:	Magnetic cards as per ISO7810, 7811, AAMVA IC cards as per ISO7816/EMV, CPU/memory card, PC/SC compliance
Test Card Types:	Standard card: Read Speed 4~40 ips Jitter±15%: Read Speed 5~35 ips Amp.60%: Read Speed 5~35 ips
Card Thickness:	Card Thickness: 0.76±0.08 mm
Error Rate:	Error Rate: < 0.5%
Magnetic Head Life:	500K insertion cycles, 1M insertion cycles optional
IC Card Contract Life:	500K times minimum



UIC USA

47341 Bayside Parkway, Fremont,
CA94538, USA
Tel: 510-438-6799 Fax: 510-438-6790
info@uicusa.com

UIC Taiwan

1F, No.1, Ln 15, Ziqiang St., Tucheng Dist.,
New Taipei City 236, Taiwan.
Tel: 886-2-2268-7075 Fax: 886-2-2269-5686
salesupport@uniform.com.tw

UIC Europe GmbH

Daimlerstraße 6, 61449 Steinbach
am Taunus, Germany
Tel: +49 6171 2088 Fax: +49 6171 2088 413
info@uiceurope.com