

# HYPERSC™

## SMART CARD READER

HYSR-IR301-C12A DATASHEET

## OVERVIEW

- Apple MFi certified smart card reader for iPhone
- Supports multiple contact smart cards and T=0/T=1 cards which conform to ISO/IEC 7816
- Supports firmware upgrade through a USB cable
- Supports battery charging for iPhone through the microUSB port



**Dimensions (mm):** 58 x 46 x 7.5

**Weight (g):** 36

## OPERATING INFO

### Communication Rate

- **iOS:** 9600 - 57,600 bps
- **USB:** 10,753 - 344,086 bps

### Working Voltage

- 3V

### Working Current

- < 60 mA

### Storage Temperatures

- -20 - 85°C

### Operating Temperatures

- 0 - 70°C

### Hardware Interface

- 8-pin lightning dock
- microUSB

### Supported Cards

- T=0/T=1
- CLASSA/CLASSC/CLASSBC

# SPECIFICATIONS

## PHYSICAL PARAMETERS

### Connectivity

- iAPI and iAP2 protocol for iOS
- CCID standard for PC/Android

## CRYPTOGRAPHIC ALGORITHMS

### Symmetric Key

- 3DES 128/256-bit
- AES 128/256/384-bit

## STANDARDS

- ISO/IEC 7816
- PCSC
- CCID

## CERTIFICATIONS

- MFi
- EMV Level 1
- FCC/CE
- RoHS