

GSR202V

## Vertical USB Common Access Card Reader



### IOGEAR Vertical USB CAC Reader / Smart Card Access Reader

Smart Cards are the next step in convenience and security. Get ready for the future with the new IOGEAR Vertical USB Smart Card Access Reader. Effortlessly scan your Smart Card with the assurance of data protection and an added layer of security. It supports multiple Smart Card protocols and relevant industry standards for digital signage and secure personal identification.

### What is a Smart Card Reader?

A Smart Card is a small portable credit-card shaped pocket-sized card with embedded integrated circuits or IC chips which can process data. The combination of the small size and IC in the Smart Card make them a valuable tool for security, data storage, and other special applications. The use of Smart Cards can improve user security by combining something a user has (the Smart Card) with something only the user should know (a PIN). This provides two level of security that is more secure than passwords alone. A Smart Card Reader is a communications medium between the smart card and a host (e.g. a computer, a point-of-sale terminal) adding a level of security to prevent unwanted users accessing the system.

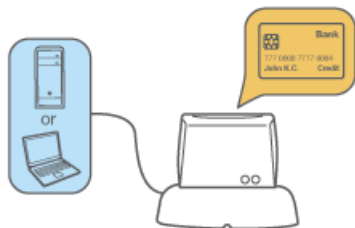
- USB Smart Card Access reader
  - Suitable for applications in government, healthcare, banking, entertainment, and secure network login
  - Supports multiple Smart Card protocols and relevant industry standards for digital signage and secure personal identification
  - FIPS-201 Compliant: Meets US Federal Information Processing Standard Publication 201\*
  - EMV 2000 Level 1 approved and support 3V and 5V cards
  - Designed for use with CAC software\*\*
  - ISO7816 implementation - Class A, B, and C (5V / 3V / 1.8V) Card
  - USB 2.0 connection to increase reliability and ease of operation
  - Speed: 825kbps
  - Power / Scan LED indicator
  - \*R-TRE.1: Follows the ISO7816-2 standard
  - R-TRE.2: GSR202 conforms to the reader-to-host system interface of Personal computer / Smart Card (PC/SC) spec
  - R-TRE.3: Support Class A operating class as defined in ISO/IEC 7816-3: 1997 and ISO/IEC 7816-3:1997/Amd 1:2002
  - R-TRE.4: Support both T=0 and T=1 transmission protocol which is defined in ISO/IEC 7816-3:1997
  - R-TRE.5: Not generate the programming Voltage
  - R-TRE.6: Data retrieved from the PIV readers shall be the data that was written on each card
  - R-TRE.13: Data format for physical readers shall consist of the 2 parity bits, agency code, system code and credential code elements of the FASC-N along with the expiration date (YYYYMMDD) from the CHUID as defined by appendix A of NIST SP 800-73. Each element shall be individually formatted as binary numbers and combined to form a 75 bit string as shown in the figure below.
- \*\*CAC Middleware is not included



### How does it work?

- Plug the Vertical USB Smart Card Reader into your computer's available USB port. Computer will detect the device and install the driver automatically.

- The Vertical USB Smart Card Reader is ready to scan your card



### Requirements

- Windows XP®, Windows Vista®, Windows® 7, Windows® 8/8.1, Windows® 10
- MAC OSX 10.4 or later (32-bit/64-bit, embedded smart card services)
- Linux Redhat, Ubuntu, Fedora (Kernel 2.4 or later)
- Available USB Port 1.1 or 2.0

### Package Contents

- 1 x Vertical USB Smart Card Reader
- 1 x Driver CD (Windows OS / Linux OS Only)
- 1 x Quick Start Guide
- 1 x Warranty Card

## Specifications

| Function         | GSR202V    |
|------------------|------------|
| <b>Data Rate</b> | 825,806bps |

| Dimensions | GSR202V |
|------------|---------|
|------------|---------|

#### Unit Dimensions

|        |          |
|--------|----------|
| Height | 3.5 in.  |
| Depth  | 3.25 in. |
| Length | 4.38 in. |

#### Inner Pack

|                 |        |
|-----------------|--------|
| Width           | 23.25" |
| Height          | 7.25"  |
| Length          | 6"     |
| Inner Pack Qty. | 6      |

#### Unit Package Dimensions

|        |       |
|--------|-------|
| Width  | 5.5"  |
| Height | 6.25" |
| Depth  | 3.75" |

#### Master Carton

|        |        |
|--------|--------|
| Width  | 24"    |
| Height | 8.25"  |
| Depth  | 13.25" |

#### Weight

|                   |          |
|-------------------|----------|
| Master Carton Wt. | 19.10lbs |
| Inner Pack Wt.    | 8.80lbs  |
| Unit Pack Wt.     | 1.3lbs   |
| Unit Wt.          | 1.15lbs  |