

# Smart Slot DC

*The world's first portable handheld swipe reader*



The Smart Slot DC is a data collection reader available in fixed mount and portable versions. The portable version is especially convenient for collecting attendance at training classes. The fixed mount version can be wall mounted for time and attendance applications, and is available with POE.

## Features & Options

- Programmable LEDs
- Character masking (insertion & deletion)
- Infrared or visible optics
- 5V, 12V, or 24V operation (fixed mount)
- 9V battery operation (portable)
- Networking
- Date and time stamping
- Printer logging
- Good read beep
- Duplicate read detection
- Power over ethernet
- Weatherproofing
- Reads Kronos & CAC cards
- Portable version available

## Interfaces

- Rs232
- TCP / IP
- Rs422
- USB

  
International Bar Code

## Specifications

|                                       |  |
|---------------------------------------|--|
| <b>Reading Direction:</b>             | Bi-directional   |
| <b>Symbologies:</b>                   | Code 39, I 2 of 5, 2 of 5, IND 2 of 5, Code 128, Codabar, EAN13, UPCA                    |
| <b>Resolution:</b>                    | 5 mil  |
| <b>Interfaces:</b>                    | Rs232, Rs422/485, TCP / IP, USB  |
| <b>Good Read Beep:</b>                | Programmable   |
| <b>Slot Width:</b>                    | 0.050" (1.27mm)  |
| <b>Power Consumption<sup>1</sup>:</b> | 5V 150mA typical 250 max / 12V 90mA typical 140 max / 24V 45mA typical 80 max / POE 90mA |
| <b>Material:</b>                      | Black polycarbonate / Noryl (chemical resistant case) (optional)                         |
| <b>Dimensions:</b>                    | 4.6" L x 2.4" W x 1.4" H (11.68cm L x 6.10cm W x 3.56cm H)                               |
| <b>Weight</b>                         | 7oz (198.5g)   |
| <b>Read Height:</b>                   | .4" standard (1.02cm) / .465 (1.19cm) (optional)   |
| <b>Indicators</b>                     | 2 programmable LEDs  |
| <b>Light Source:</b>                  | 630nm visible / 940nm infrared   |
| <b>Temperature</b>                    | -40°C to +85°C   |
| <b>Standard Wiring (Fixed):</b>       | 3ft (91.5cm) cable with DB9 female (RS232), flying leads (RS422) or RJ45 (TCP / IP)      |
| <b>Standard Wiring (Port.):</b>       | 3ft cable with jack  |
| <b>Memory:</b>                        | 128K standard / 512K (optional)  |
| <b>Battery Life (Port.):</b>          | 4 hours  |

<sup>1</sup>5V DC readers have a voltage tolerance of +/-5%.  
12V DC readers may be operated from 8VDC–15VDC.  
24V DC readers may be operated from 15V DC–30V DC.

## Wiring

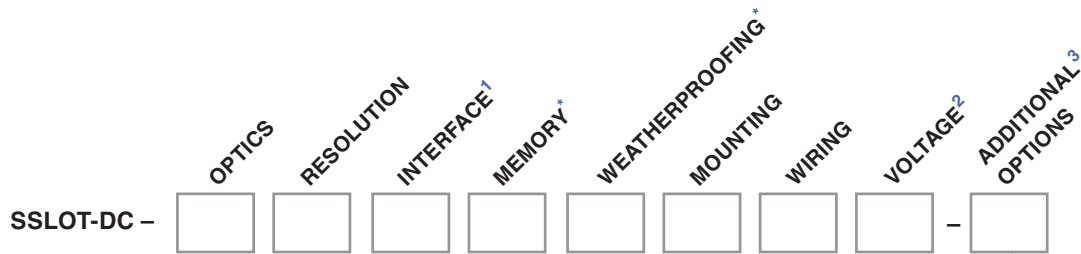
Wiring Connections for various Interfaces.

### Rs232 Interface

**Red** +VDC  
**Blue** GND  
**Green** Reader Transmit  
**Yellow** Reader Receive

### Rs422 Interface

**Red** +VDC  
**Blue** GND  
**Green** Reader Transmit +  
**White** Reader Transmit -  
**Yellow** Reader Receive +  
**Orange** Reader Receive -



\* Options at additional cost <sup>1</sup>TCP / IP additional cost <sup>2</sup>12V, 24V & POE additional cost <sup>3</sup>Noryl additional cost

### OPTICS

- Visible – V
- Infrared – I

### RESOLUTION

- High – H

### INTERFACE

- Rs232 – S<sup>4</sup>
- Rs422 / 485 – 2<sup>4</sup>
- TCP / IP – C
- USB – U

### MEMORY

- 128K – 1
- 512K – 5

### WEATHERPROOFING<sup>5</sup>

- No weatherproofing – 0
- Weatherproofing – W

### MOUNTING

- #6 – 6
- 3mm – M
- Portable units – 6<sup>6</sup>

### WIRING - FIXED MOUNT

- Rear – R
- Side – S

### WIRING - PORTABLE

- Internal battery (portable) – I
- Side internal jacks (portable) – J
- Internal battery / External AC – A

### VOLTAGE - FIXED MOUNT

- 5V DC – 5
- 12V DC – 2
- 24V DC – 4
- POE – P

### VOLTAGE - PORTABLE

- LEAVE BLANK

### ADDITIONAL OPTIONS

- Noryl (chemical resistant case) – N<sup>7</sup>

Specify one letter for each additional option. Leave blank if no additional options are desired.

<sup>4</sup>Serial units may be reprogrammed for network / protocol mode.

<sup>5</sup>Weatherproofing not available with portable readers..

<sup>6</sup>Portable units do not have mounting inserts. When ordering portable units, always specify a #6 for the mounting.

<sup>7</sup>Only available with fixed mount units.

## Examples

Examples of ordering codes for Smart Slot DC in popular interfaces.

### Rs232

SSLOT-DC-IHS106R2

Smart Slot DC with:

- Infrared – I
- Resolution – H
- Rs232 – S
- 128K Memory – 1
- No Weatherproofing – 0
- #6 Mounting – 6
- Rear wire exit – R
- 12V DC supply – 2

### TCP / IP

SSLOT-DC-IHC1W6RP

Smart Slot DC with:

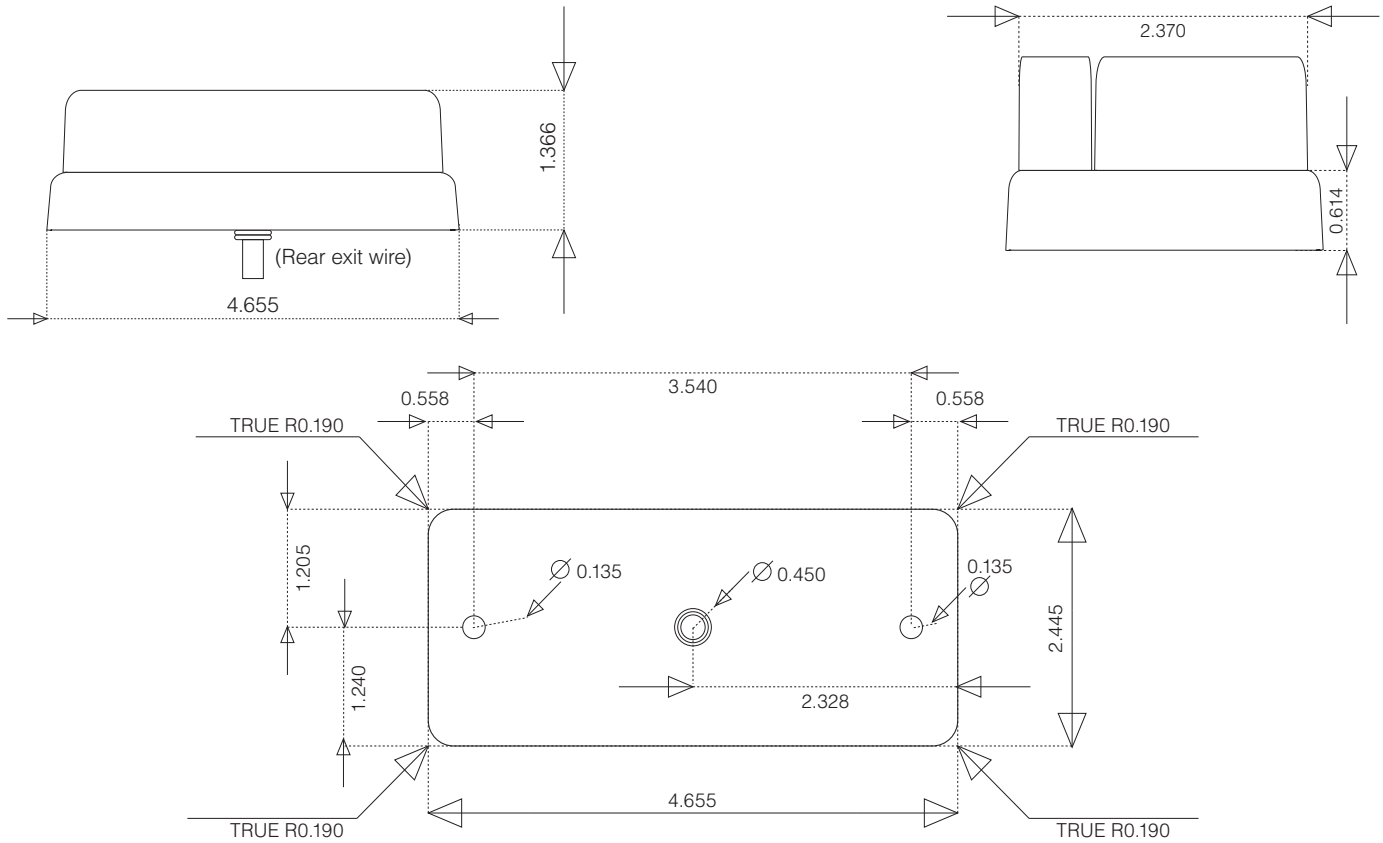
- Infrared – I
- Resolution – H
- TCP / IP Interface – C
- 128K Memory – 5
- Weatherproofing – W
- #6 Mounting – 6
- Rear wire exit – R
- POE – P

### Rs232 Portable

SSLOT-DC-IHS106I

Smart Slot DC with:

- Infrared – I
- Resolution – H
- Rs232 – S
- 128K Memory – 1
- No weatherproofing – 0
- #6 Mounting – 6
- Internal battery – I



Notes for Ordering Smart Slot DC

POWER

DC series readers are powered with 5VDC. 12VDC and 24VDC are optional. Readers can be ordered with a side wire exit or rear wire exit. Power pigtailed and an AC adaptor can be provided for all 12V and 24V readers that are ordered with flying leads. Custom wiring is available for most configurations.

WIRING

Standard wiring for 5V RS232 and all RS422 readers is a 3' cable with flying leads. 5V RS232 readers can be ordered with a DB9 connector and power wired to one of the pins. 12V and 24V RS232 readers contain a 3' cable with a DB9 female connector, and a power pigtail for connection to an AC adaptor; which is included. Standard wiring for TCP readers is a 5' cable with a RJ45 jack and a RJ45 coupler. Standard wiring for USB readers is a 6' cable with a USB type A plug for direct connection to a PC.

PORTABLE

Portable DC readers can be ordered with a DC power jack on the side, an internal 9-volt battery housing, or both. When ordered with a DC power jack, you can connect an AC adaptor for power, or connect a 9 volt battery using a short adapter cable. The AC adaptor and cable are provided. If ordered with the internal 9 volt battery housing, the reader is powered by an internal replaceable 9-volt battery. Readers may be ordered with both options, allowing use with either the internal battery, or AC adaptor. All portable versions contain a jack for serial communications and a serial cable is provided.

For custom wiring or firmware contact IBC.