CYPRESS
INTEGRATION SOLUTIONS

**OSDP-Wiegand
USB Data Wedge
WDG-6112**
Product Sheet

Product Overview

The WDG-6112 connects a computer via USB-C to an OSDP or Wiegand credential reader. Once the reader reads a credential, the credential data is sent to the WDG-6112. Then, data is output to the computer as keystrokes.

Applications

- Create credential databases during site takeovers
- Use with your RFID reader to create an enrollment reader solution
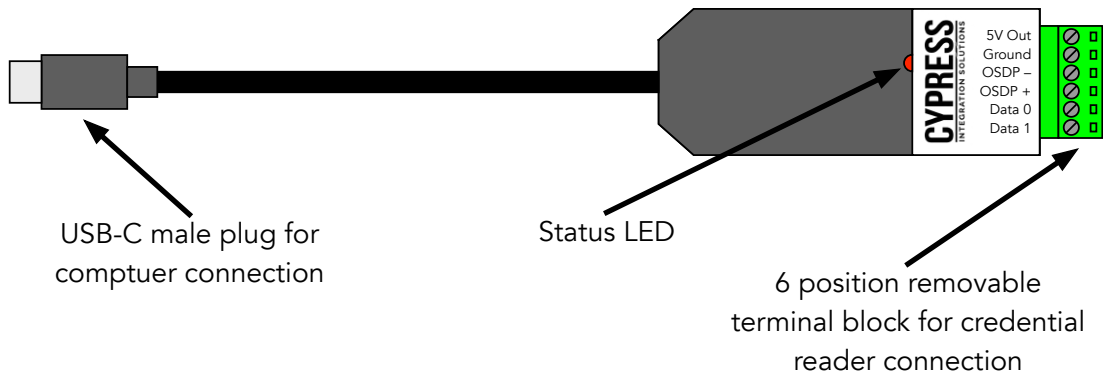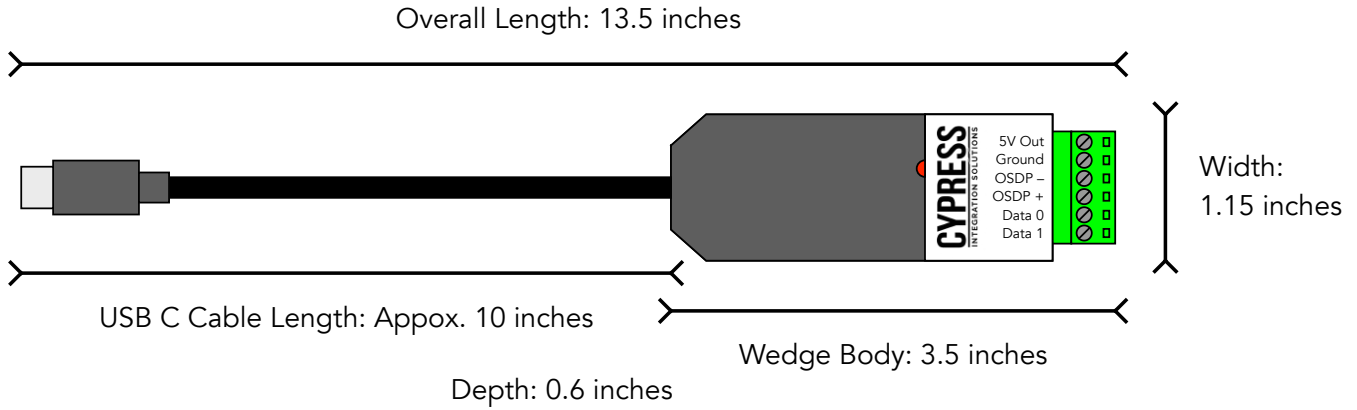- Troubleshoot readers/credential output in the field

WDG-6112_240423
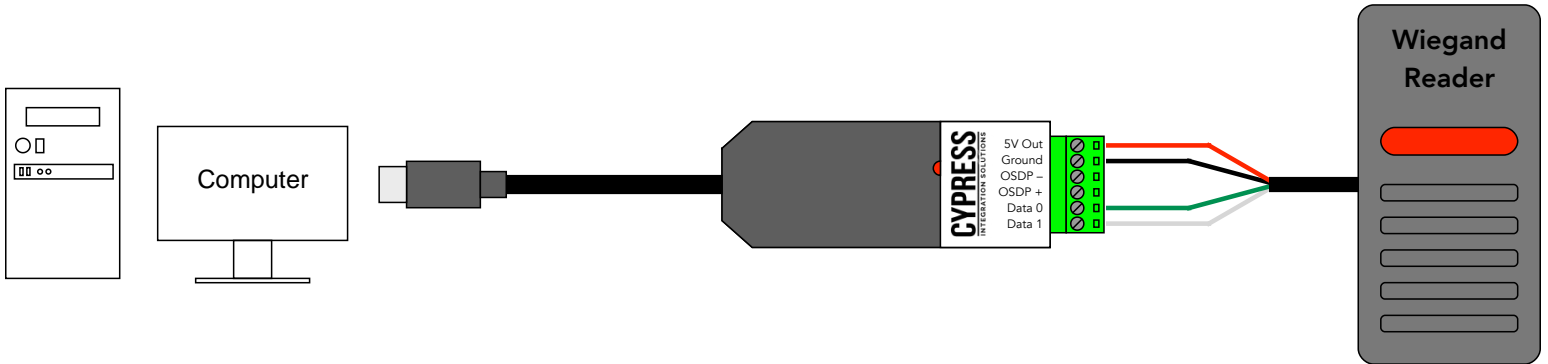
WDG-6112 USB Data Wedge Features

- USB-C connection to computer
- 10 inch (approx.) USB-C male cable attached directly to unit.
- Supports OSDP and Wiegand credential readers
- +5 VDC output for powering credential readers
- Default configuration processes any credential format, outputs number of bits and raw credential data in hexadecimal
- Simple configuration allows processing of up to 10 credential formats simultaneously

Specifications		
Part Number	Part Number	WDG-6112
	UPC	816684006135
Physical	Physical Dimensions (L x W x H)	2.675 x 1.04 x 0.636 inches | 6.80 x 2.64 x 1.62 cm
	Weight — WDG-6112	1 oz. | 28.35 grams
	Weight — USB-C Cable	1.2 oz. | 34.02 grams
Environmental	Operating Temperature Range	32ºF to 185ºF | 0ºC to 85ºC
	Enclosure Rating	Not rated for water or dust intrusion
USB	Features 10 inch (approx.) USB-C male cable for computer connection	
	Supports USB 2.0	
	Appears as a USB keyboard / Human Interface Device (HID) during normal operation	
	Appears as USB Mass Storage Device when in configuration mode	
Electrical	Unit is powered by the USB-C connection	
	Unit draws from USB-C Port	50 mA MAX
	Power output (for credential readers)	5 VDC @ 450 mA MAX
	Wiegand Input Signal Voltage Rating	0-24 VDC
Additional Features	Supports OSDP and Wiegand credential readers	
	Automatically discovers connected OSDP reader's devices address and baud rate for simple setup	
	Removable 6-position screw terminal block for credential reader connection	
	Configurable with configuration file, create configuration file with tool hosted on www.cypressintegration.com	
	Configuration allows processing of up to 10 different credential formats simultaneously	
	Configuration allows specifying multiple fields for credential data (typically facility code and card number values). Additionally, keypresses of any key before, between, and after the multiple data fields can be added.	

WDG-6112 Approximate Dimensions

Overall Length: 13.5 inches

Width: 1.15 inches

USB C Cable Length: Appox. 10 inches

Wedge Body: 3.5 inches

Depth: 0.6 inches

USB-C male plug for comptuer connection

Status LED

6 position removable terminal block for credential reader connection

WDG-6112 and Wiegand Reader Diagram

Computer

Wiegand Reader

WDG-6112 and OSDP Reader Diagram

Computer

OSDP Reader