

EiWrench™ Getting Started – Eidola Application Note 6

Introduction

The IDmachines' EiWrench™ is an Eidola platform device specifically developed to help end-users, system integrators and solution providers deliver physical access control readers, door controllers and other devices that use the Open Supervised Device Protocol (OSDP). The EiWrench™ helps to manage devices that talk to each other over RS-485 serial communications. It is communicated with via a network connection to the device and through a browser-based user typically via a tablet or laptop.

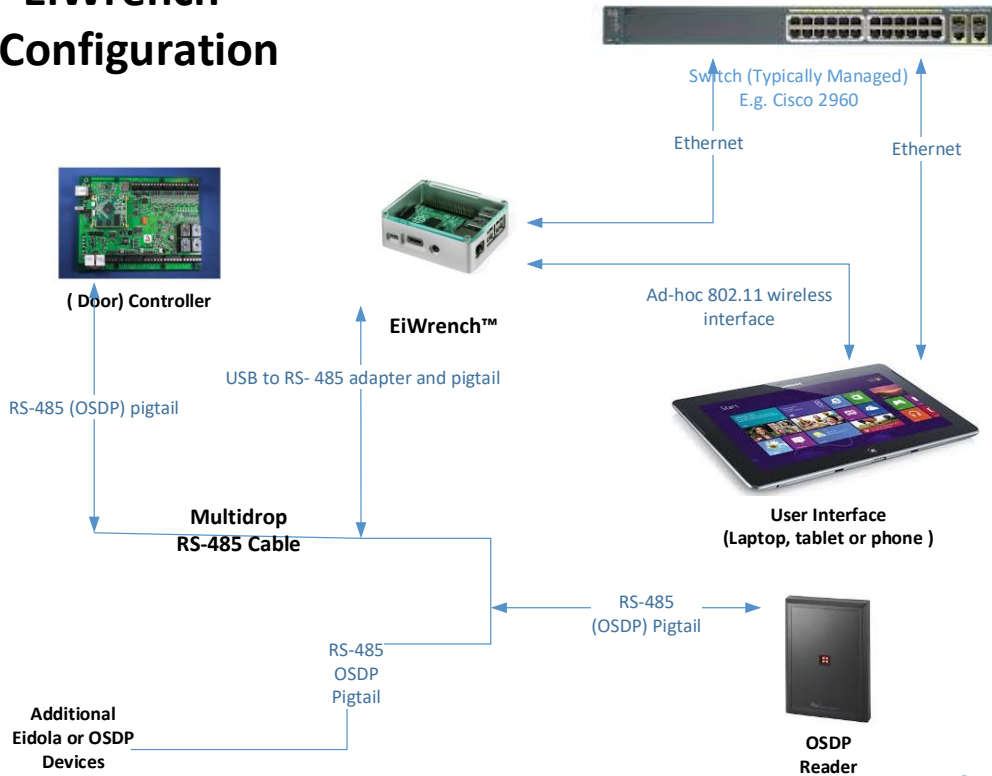
The typical EiWrench™ package consists of:

- EiWrench Device
 - Raspberry Pi or x86
- Power Supply
 - Wall wart
 - USB to Micro USB cable and on/off switch
- Multidrop cable to support connection of EiWrench™ and devices under test (DUTs)
- RS-485 to USB adapter
- Pigtails for OSDP device connection to multidrop cable
- Access to support via eidola@idmachines.com

Simplified Instructions

1. Remove device and locate power supply, power supply cable, multidrop cable, USB to RS-485 adapter and pigtails.
2. Determine whether a wireless or wired interface will be used.
3. Locate and boot laptop, PC or tablet to interact with the device.
4. Connect USB to RS-485 adapter and connect it to a USB port on the EiWrench™
5. Connect pigtail to device under test (DUT)
 - a. Red is RS-485 TX
 - b. White is RS-485 RX
 - c. Black is Ground
6. Provide power to the device and share the Ground with the black leader on the pigtail, a terminal block is often included with the pigtail for this purpose.
7. Connect pigtails (RS-485 adapter and DUT) to multidrop cable.
8. Connect laptop (or another device) to EiWrench via a network connection.
9. Default address is 10.2.0.209
10. Default username is opsdamin1
11. Default password is password
12. Open a browser at this address and proceed with use of EiWrench.

EiWrench™ Configuration



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