



The OSM-HUB is an OSDP developmental and bench-testing tool which passively connects OSDP devices.

The device features (7) ports:

- (4) PD Ports for OSDP card readers or other Peripheral Devices (PD)
- (1) ACU Port for connecting the HUB to an OSDP Access Control Unit (ACU)
- (1) Monitor Port for monitoring the OSDP communication between all of the connected devices
- (1) Expansion Port for connecting another OSM-HUB to add additional PD Ports

The PWR LED lights up when power is connected to the OSM-HUB. The TTL LED flashes to indicate OSDP traffic from any of the connected OSDP devices. Each port has an LED that lights up when power is being sent out the port. The OSM-HUB is powered by an external power supply connected to the barrel jack. Power output for each port is directly connected to the input power from the power supply.



OSM-HUB_DS_210716

Specifications		
Physical	Physical Dimensions (L x W x H)	4.514 x 3.896 x 0.690 inches (11.466 x 9.895 x 1.753 cm)
	OSDP Ports	4 PD Ports, 1 ACU Port, 1 Monitor Port, 1 Expansion Port
Environmental	Temperature Range	0°C to 70°C (32°F to 158°F)
	Enclosure Rating	No water or dust rating.
Electrical	Supply Voltage	8 - 16 Vdc @ 300 mA*
	Barrel Connector Jack Mating Diameter	2.50mm ID, 5.5mm OD
	Barrel Connector Jack Polarity	Center Pin Positive
	Included Power Supply	12 Vdc @ 1.5 A
	*Powering additional devices through the OSM-HUB ports will increase the required current, according to the rating of each additional device being powered. The included power supply may not be suitable to power every additional device.	
Additional Features	Supports 4 OSDP PDs and 1 OSDP ACU.	
	Power to the PD Ports, ACU Port, Monitor Port, and Expansion Port can be turned on and off with a switch.	
	The RS-485 polarity on the PD Ports, ACU Port, Monitor Port, and Expansion Port is controlled by a switch; it can either be set to ON (normal), OFF (disconnected from OSM-HUB), or INV (inverts the RS-485 polarity).	
	Optional DIN Rail attachment for enclosure.	

Power and Data Bus

All of the OSM-HUB ports are connected in parallel, as shown on the power and data bus schematic below.

