Data sheet

POE-DCO-65

X-PoE® powered USB charging brick (2x USB-C, 1x USB-A)

PRODUCT OVERVIEW

The POE-DCO-65 is a PoE powered USB charging outlet with allowing you to deliver up to 65W of clean, low-voltage power to USB devices right where people work, without needing an AC outlet.

It delivers enough power to charge laptops making it unique among PoE-powered chargers, which typically only support lower-power USB-C PD profiles for phones and peripherals.

Its RJ45 input is IEEE 802.3bt compliant and compatible with bt power sourcing topologies as well as X-PoE®.

Its unique outlet-style Decora form factor delivers a clean, architecturally familiar finish while adding reverse-voltage-protected power input and front-panel status indication.

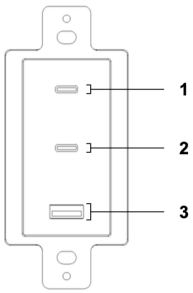
CONFIGURATIONS

POE-DCO-65: Three-port USB charging brick (2x USB-C, 1x USB-A) with 65W shared output and dynamic load balancing across outputs.

FEATURES

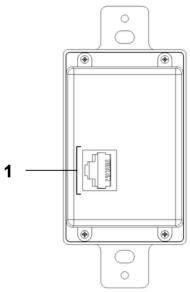
Power conversion	(1) RJ45 input for X-PoE® / IEEE 802.3bt power and (3) USB outputs (2x USB-C, 1x USB-A)
	IEEE 802.3bt compliant input with backward compatibility for bt source configurations
	Supports USB-C PD profiles at 5V, 9V, 12V, 15V, and up to 20V / 3.25A (65W) on USB-C outputs
	Total 70W shared across all outputs with dynamic output balancing
	44-57VDC terminal block input with reverse-voltage protection
Application and use cases	Ideal for powering USB-C devices including laptops, monitors, phones, and peripherals
	Turns every desk into a controllable power node for energy management and automation (system dependent)
	Great for convenience outlets in hotels and conference rooms
Recommended installation	Use one POE-DCO-65 per PoE port
	Multiple POE-DCO-65 units can be daisy chained when used with X-PoE®
Warranty	5-year warranty

FRONT PANEL



1. USB-C output
2. USB-C output
3. USB-A output*
*Note: When USB-A is in use, USB-C port 2 operates at 5V as well

REAR PANEL



1. RJ45 input

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TECHNICAL SPECIFICATIONS

Category	Specification	POE-DCO-65
INTERFACES	Interfaces	(1) RJ45 input port (X-PoE® / IEEE 802.3bt compliant), (2) USB-C output ports, (1) USB-A output port
	Port type	RJ45 input + USB-C / USB-A outputs
	Power connector	Terminal block
ELECTRICAL	Input voltage	44-57VDC
	Maximum output power (shared)	70W shared across all outputs
	USB-C PD profiles	20W = 5V @ 4A Max; 36W = 9V @ 4A Max; 48W = 12V @ 4A Max; 60W = 15V @ 4A Max; 65W = 20V @ 3.25A Max
	USB-C single-port mode	When only one USB-C port is active, maximum output is 65W (up to 20V @ 3.25A) on that port
	USB-C dual-port mode	When both USB-C ports are active, both ports are derated to a maximum of 15V output
	USB-A power specification*	20W = 5V @ 4A Max; *When USB-A is used, USB-C port 2 operates at 5V
	Output power balancing	Dynamic balancing across all outputs based on connected load
MECHANICAL	Dimensions	4.53 x 2.95 x 1.17 in (115 x 75 x 29.7 mm)
	Weight	0.52 lb (234 g)
	Material	White plastic
	Faceplate	Fits standard Decora faceplate (not provided)
INSTALLATION	Low-voltage mounting rings	Recommended for optimal installation; non-enclosed design helps avoid interference with POE-DCO-65 rear connections and supports secure residential/commercial mounting
	Low-voltage ring note	Do not pack insulation tightly against the device; allow space for heat dissipation
	Plastic electrical boxes	Ensure box depth is at least 3 in; ensure adequate clearance for cable management
	Metal junction boxes	Not recommended due to space limitations; if required, use minimum 3 in depth and validate mud/extension ring fit before final installation
	Clearance	Provide adequate wall-box clearance so rear RJ45 and all PoE/USB connections can be made without cable strain
ENVIRONMENT	Operating temperature	32 F to 104 F (0 C to 40 C)
	Storage temperature	-4 F to 158 F (-20 C to 70 C)
	Operating humidity	10-90% RH (non-condensing)
COMPLIANCE	Certifications	IEEE 802.3bt compliant input, FCC, CE
GENERAL	Warranty	2-year limited warranty

Note: Actual performance may vary as a result of end-user environment and application.

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