POE-DCO-65

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

Data sheet



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.

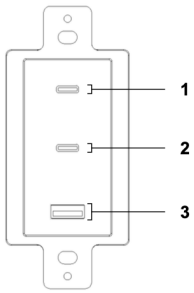
CONFIGURATIONS

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

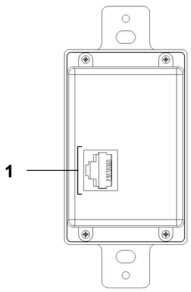
Power conversion	(1) RJ45 input for X-PoE® / IEEE 802.3bt power and (3) USB outputs (2x USB-C, 1x USB-A)
	IEEE 802.3bt compliant input with backward compatibility for bt source configurations
	Supports USB-C PD profiles at 5V, 9V, 12V, 15V, and up to 20V / 3.25A (65W) on USB-C outputs
	Total 70W shared 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
Compliance	ETL Listed (cETLus) to UL 62368-1
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
MECHANICAL	Dimensions	115 mm x 75 mm x 29.7 mm (4.53 in x 2.95 in x 1.17 in)
	Weight	0.52 lb (0.23 kg)
	Material	White plastic
	Faceplate	Fits standard Decora faceplate (not provided)
INTERFACES	Input	RJ45 port (X-PoE® / IEEE 802.3bt compliant)
	Outputs	(2) USB-C output ports, (1) USB-A output port
ELECTRICAL	Input Voltage	44-57VDC
	Maximum Output Power	65W (20V @ 3.25A USB-C profile) Note: Output power is 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 Note: When USB-A is used, USB-C port 2 operates at 5V
	Output Power Balancing	Dynamic balancing across all outputs based on connected load
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 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	0 °C to 40 °C (32 °F to 104 °F)
	Storage Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
	Operating Humidity	10-90% RH (non-condensing)
COMPLIANCE	Certifications	ETL Listed (cETLus) to UL 62368-1, 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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