SUPERBOOSTER® USB EXTENDER SWITCH

Superbooster® 2x4-Port USB over Cat6a Extender Switch - USB 3.2 Gen1 (5Gbps)

The C2G Superbooster® 2x4 USB Extender Switch delivers exceptional performance, transmitting USB 3.2 Gen 1 signals at speeds up to 5Gbps over distances of up to 100m (328ft) via a single CAT6a U/FTP cable. Engineered for convenience and versatility, it features input switching of two computers to four devices. Backwards compatibility with USB 2.0 and 1.1, makes it suitable for a wide range of devices.

It Supports auto switching (USB 5V detection), manual switching and RS-232 switching modes on the transmitter for versatile operation.

The receiver is equipped with 2 USB-C and 2 USB-A ports, ensuring broad device compatibility. With bi-directional 24V PoC (Power over Cable), this extender switch ensures seamless power distribution between the transmitter and receiver. Its plug-and-play functionality guarantees a hassle-free setup without the need for drivers, downloads, or software.

The Superbooster® USB Extender Switch is an ideal solution for connecting various USB devices, including webcams, PTZ cameras, keyboards, mouse devices, USB microphones, flash sticks, printers, scanners, and touch panel displays.

This device supports data transmission only and does not support DP Alt Mode video or Power Delivery.

C2G54262

ITEM	DESCRIPTION
C2G54262	Superbooster® 2x4-Port USB over Cat6a Extender Switch - USB 3.2 Gen1 (5Gbps)

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Superbooster® 2x4-Port USB over Cat6a Extender Switch - USB 3.2 Gen1 (5Gbps)

FEATURES

- Extends USB 3.2 Gen 1 data signal up to 328ft (100m) over Cat6a U/FTP cable

- USB 3.2 Gen 1 connectivity with data transfer rate up to 5Gbps

- Supports data transmission only and does not support DP Alt Mode video or Power Delivery.

- Backwards compatible with USB 2.0 and 1.1

- Hardware acceleration optimized for isochronous and bulk data transfer protocols

- Supports auto switching (USB 5V detection) and manual switching modes on the transmitter end

- The four USB device ports on the receiver support output power up to 2x 5V/1.5A and 2x 5V/1A

- Supports bi-directional 24V PoC (Power over Cable)

- Supports RS-232 pass-through and FSYNC GPIO pass-through (for industry camera use)

- Plug and play—no drivers, downloads, or software required

- Perfect for extending cameras, white boards, storage drives, and other high bandwidth USB devices

- Backed by a 5-year warranty

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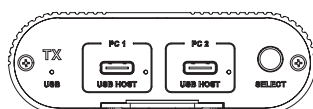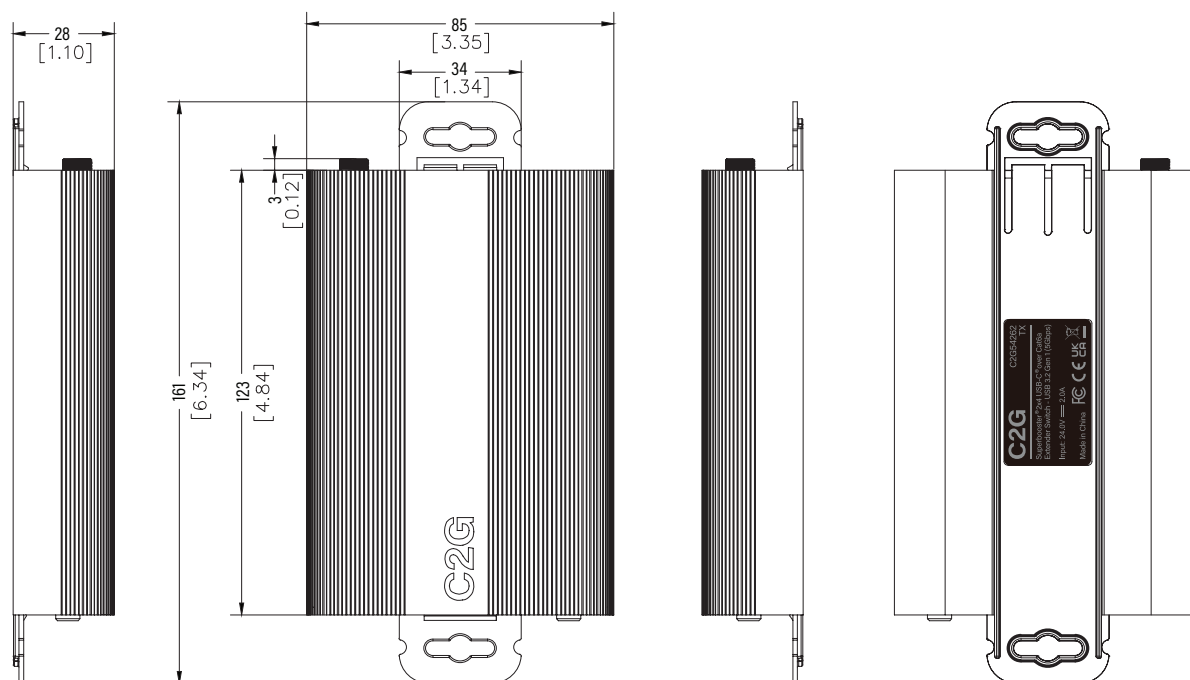# SUPERBOOSTER® USB EXTENDER SWITCH
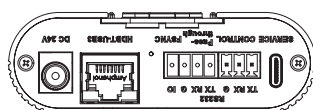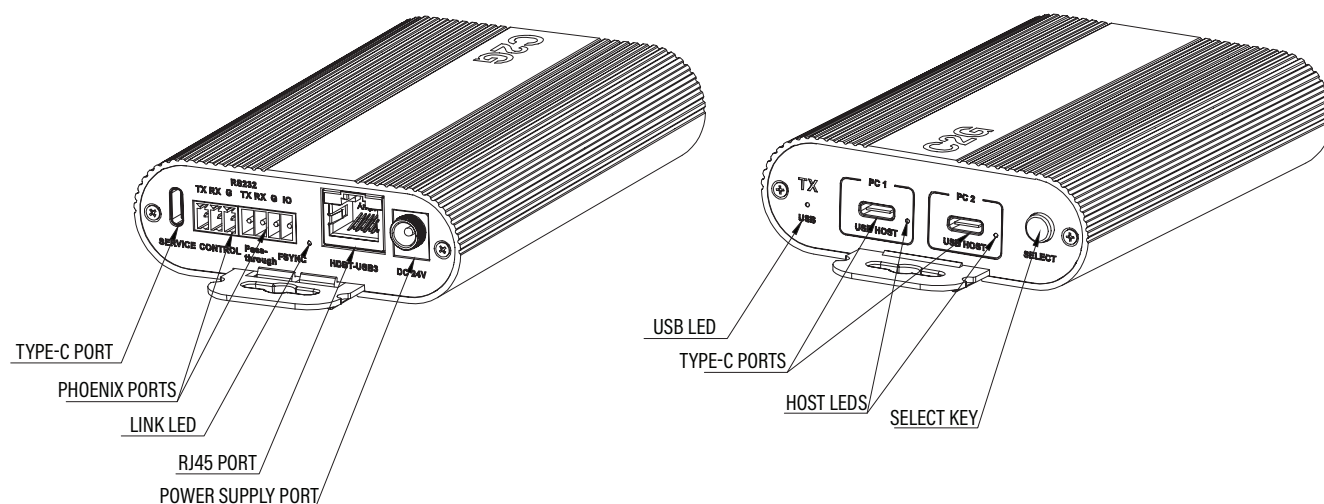
Specifications

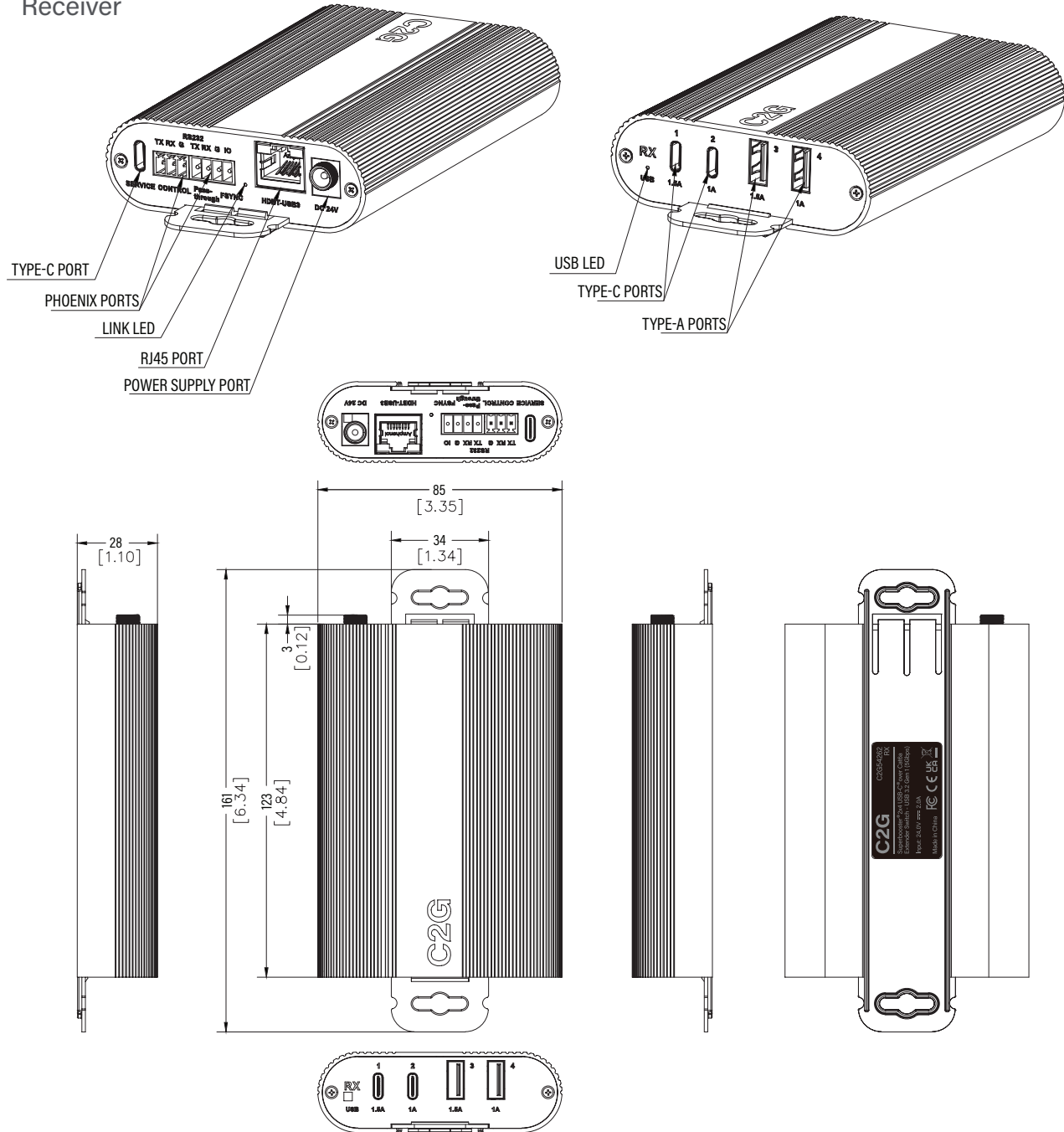|		C2G54262
PHYSICAL SPECIFICATIONS	Range/Distance	Cat6a (U/FTP) cable: Up to 328ft (100m)
	USB Protocol	USB 3.2 Gen 1
	Transmission Rate	Up to 5Gbps
PHYSICAL CHARACTERISTICS	Dimensions (HxWxD)	Transmitter: 1.10 x 6.34 x 3.35 in (28 x 161 x 85mm)
		Receiver: 1.10 x 6.34 x 3.35 in (28 x 161 x 85mm)
	Housing Material	Metal
	Color	Black
	Weight	Transmitter: 0.4 lbs (178g)
		Receiver: 0.41 lbs (188g)
	Regulatory Approvals	CE marked; Conforms to 2011/65/EU ROHS 2
PORTS	Transmitter — Input	2 x USB-Host [USB-C 3.2 Gen 1, 24-pin female]
		1 x Select Button [Switch between USB-Host PC 1 and PC 2]
		1 x DC 24V [DC24V/2A Power input]
	Transmitter — Output	1 x HDBT-USB3 [RJ45 Connector, 24V PoC]
		1 x RS-232 [3Pin Phoenix Connector]
	Transmitter — Control	1 x Service [USB-C, FW Update Port]
	Receiver — Input	1 x HDBT-USB3 [RJ45 Connector]
		1 x RS-232 [3 Pin Phoenix Connector]
		1 x DC 24V [DC24V/2A Power input]
	Receiver — Output	1 x USB-C [USB 3.2 Gen 1, 5V/1.5A]
		1 x USB-C [USB 3.2 Gen 1, 5V/1A]
		1 x USB-A [USB 3.2 Gen 1, 5V/1.5A]
		1 x USB-A [USB 3.2 Gen 1, 5V/1A]
	Receiver — Control	1 x Service [USB-C, FW Update Port]
POWER	Power Supply	Input: AC 100~240V 50/60Hz, 1.5 A
		Output: DC 24V/2A
	Cable Length	1500 +- 50 mm
	Power Consumption	PoC Power Supply: 13.2W (max)
ENVIRONMENTAL	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)

SUPERBOOSTER® USB EXTENDER SWITCH

TECHNICAL DRAWINGS

Transmitter

TYPE-C PORT

PHOENIX PORTS

LINK LED

RJ45 PORT

POWER SUPPLY PORT

USB LED

TYPE-C PORTS

HOST LEDS   SELECT KEY

28
[1.10]

85
[3.35]

34
[1.34]

3
[0.12]

161
[6.34]

123
[4.84]

SUPERBOOSTER® USB EXTENDER SWITCH

Receiver

TYPE-C PORT
PHOENIX PORTS
LINK LED
RJ45 PORT
POWER SUPPLY PORT

USB LED
TYPE-C PORTS
TYPE-A PORTS

85
[3.35]

28
[1.10]

34
[1.34]

3
[0.12]

161
[6.34]

123
[4.84]

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