

USB Type C Power and Data on IEEE 802.3bt Power Over Ethernet (Patent Pending)

USB Type C Power and Data for Laptops and Tablets with a USB-A accessory port brought to you by the PoE Innovators who brought PoE to USB-C to the market.



The Convenience of PoE; The Universality of USB Type C

USB Type C acts as the core communication platform between digital devices in close proximity. It is the new converging technology for digital devices, but it has its limits, 15 feet to be precise, which is the longest a very expensive USB Type C cable can run. Power Over Ethernet maximizes your network potential as a parallel converging technology that allows for rapid communication and power up to 330 feet.

PoE Texas has converged these two previously incompatible standards. PoE Texas has created adapters that transform Power Over Ethernet into USB Type C Power Delivery and Data with a USB A port for accessories and peripherals. The IEEE 802.3bt device allows charging and data for USB-C enabled laptops and tablets without set up or configuration.

Take advantage of PoE Texas' patent pending technology to deliver power and data to your USB Type C devices.

PoE to USB-C for Laptops

Features

- ◇ Sturdy aluminum enclosure for use in high traffic locations
- ◇ Cable relief glands allowing for customized cable lengths and cable connector protection
- ◇ On-board LED indicators to allow installers to quickly determine whether the PoE is sufficient for 60 watt laptop charging
- ◇ A USB-A accessory port for devices such as data storage, keyboards, or mice
- ◇ Confidence in using an industry leading solution that has been tested against all major brands for more than a year
- ◇ Thirty day no questions asked money back and 3-year manufacturer warranties
- ◇ World-class, Austin based service and support with 1 hour response times during business hours



<p>81 mm</p> <p>28 mm</p> <p>101 mm</p> <p>103 mm</p> <p>PLAN DIMENSIONS</p> <p>INSTALLATION INSTRUCTIONS</p>	<p>PoE Texas</p> <p>BT-USBC-A-JB Drawings</p> <p>3616 Fair West Blvd Suite 117-094 Austin TX 78731</p> <p>DATE: January 6, 2021</p> <p>TITLE: BT-USBC-A-PD</p> <p>DRAWING NUMBER: A</p>
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PRODUCT TITLE

Technical Specifications

Inputs/Outputs	
Uplink Port	IEEE 802.3af, at, and bt with gigabit data rate
USB-C	Role swappable, USB 2.0, USB-C PD 3.0 up to 60 watts
USB-A	USB 2.0 with up to 5 watts
LED Indicator	Negotiated power status
Power Over Ethernet	
PoE Standard	802.3af/at/bt Type 4 (PSE), Cisco 4Pair Forced uPOE
PoE Line Pair	1/2/4/5(+), 3/6/7/8(-)
Available Accessories	
USB-Type C 60 watt cable	30 cm, 1.5 m, and 3.0 m (custom cable lengths available) Right angle heads available to fit into tablet or laptop enclosures
CAT 6 Cable	Reels and connectors available for field installations Specifications available upon request
GBT-24-M-53v3000w	24 Port Layer 1 Managed Midspan that adds IEEE 802.3bt Type 3 PoE to any network switch
GBTS-28-24-M-53v3000w	24 Port Layer 2 Managed Switch to include IEEE 802.3bt power to any enterprise grade network
GBTS-10-8-M	8 Port Layer 2 Managed Switch with 8 ports IEEE 802.3bt and 2x Fiberoptic uplink ports for distributed network systems
Environment	
Operating Temperature	-10-60°C
Operating Humidity	5%-95% (Non-condensing)



PRODUCT TITLE

Wiring Diagrams

Designed for 5x Distributed 8 port switches (GBTS-10-8-M)

Distributed Switch Wiring Diagram

LEGEND		
NO	PART	DESCRIPTION
1	GSFP-28-24-M	24 SFP Fiberoptic Switch
2	PS-53v3000w	IEC/UL/EN 62368-1 ICT Charge Controller
3	GBTS-10-8-M-PR	Distributed IEEE 802.3bt Switch in NEMA enclosure
4	BT-USBC-A-PD	60 Watt PoE to USB-C Hub
5	Tablet/laptop	Surface Pro/Go, MacBook, Chromebook, etc.

PoE to USB-C Desktop Network Wiring
 3916 Far West Blvd
 Austin, TX 78731

DATE: January 6, 2021

TITLE: DISTRIBUTED RISER DIAGRAM

DRAWING NUMBER: **A**

Designed for 5x Distributed 8 port switches (GBTS-10-8-M)

Centralized Switch Wiring Diagram

LEGEND		
NO	PART	DESCRIPTION
1	GBTS-28-24-M	24 Port IEEE 802.3bt Switch
2	PS-53v3000w	IEC/UL/EN 62368-1 ICT Charge Controller
3	BT-USBC-A-PD	60 Watt PoE to USB-C Hub
4	Tablet/laptop	Surface Pro/Go, MacBook, Chromebook, etc.

PoE to USB-C Desktop Network Wiring
 3916 Far West Blvd
 Austin, TX 78731

DATE: January 6, 2021

TITLE: CENTRALIZED RISER DIAGRAM

DRAWING NUMBER: **B**