

Tango8P & Tango8PCB

PoE Driven Multi-output Power Supply/Chargers

Description

Altronix Tango8P(CB) PoE Driven Multi-Output Power Supply converts an IEEE802.3bt PoE input into eight (8) regulated 24VDC and/or 12VDC outputs up to 72W. Ideal for access installations, it eliminates the need for a high voltage inside the enclosure. Tango8P(CB) is designed to support a single 12V LiFePO₄ (Lithium Iron Phosphate) battery for 12VDC and 24VDC backup.



Tango8P

Key Features

- Utilizes 4PPoE (802.3bt) to simultaneously deliver 12VDC & 24VDC for powering access control and security devices.
- Built-in Lithium Iron Phosphate (LiFePO₄) battery charger for optimized power backup.
- Operates with Altronix NetWay Midspans such as NetWay1BT, NetWay4BT or NetWay8BT.
- Can be installed by any low voltage contractor.
- Eight (8) fuse or PTC protected outputs.
- Any of the eight (8) outputs are selectable for 12VDC or 24VDC.
- Individual outputs may be set to OFF position for servicing.
- Lifetime Warranty

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Specifications

Ethernet Input

802.3bt PoE up to 90W or 802.3at up to 30W or 802.3af up to 15W
 CAT-6 or higher cable is recommended for optimum performance

Power Output (when using 802.3bt 90W)

12VDC up to 6.25A (72W), and/or 24VDC up to 3A (72W).
 Combined output not to exceed 72W.

When charging batteries:

12VDC up to 5.4A (62W) and/or 24VDC up to 2.7A (62W).
 Combined output not to exceed 62W.

Ethernet Output

Pass-through Ethernet Port (data only).

Battery Charging Circuit

12VDC battery charger for Lithium Iron Phosphate Battery (LiFePO₄ only).
 Unique technology allows for single battery to backup.
 12VDC and/or 24VDC systems.

Supervision

- Loss of PoE Input.
- Battery Supervision

Indicators (LED)

Input	Indicates input voltage is present.
Output	Indicates normal operating condition.
PoE Type	PoE Class Indicator
Supervision	PoE Fail or BAT Fail.

PDS8/PDS8CB Power Distribution Module:

Inputs

12VDC and 24VDC from Tango1B, factory wired.
 Main Fuse Rating 10A/32V.

Outputs

Tango8P: Fuse protected outputs rated @ 3A per output, non power-limited. Total output 20A max.
Tango8PCB: PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.

Do not exceed the individual power supply ratings.
 Any of the eight (8) power outputs are selectable for 12VDC or 24VDC.
 Individual outputs may be set to OFF position for servicing.

Indicators (LED)

Individual voltage LEDs
 Green: 12VDC
 Green and Red: 24VDC.

Physical and Environmental

Dimensions (L x W x H)
 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)..
 Product Weight 9.0 lb. (4.08 kg).
 Shipping Weight 10.3 lb. (4.67 kg).
 Temperature
 Operating 0°C to 49°C (32°F to 120°F).
 Storage -20°C to 70°C (-4°F to 158°F).
 Relative Humidity 85% +/-5%.
 BTU/Hr. (approx.) 54 BTU/Hr

Accessories

NetWay1BT – 802.3bt (4PPoE) Midspan/Injector

- Single port midspan/injector delivers up to 90W max

NetWay4BT – 802.3bt Midspan/Injector

- 4-Port midspan/injector delivers up to 90W per port (480W max)

NetWay8BT – 802.3bt Midspan/Injector

- 8-Port midspan/injector delivers up to 90W per port (480W max)

