



# PoE 4-Pairs Splitter Installation Guide PowerDsine PD-AS-951G/18

# Technical Support

If you encounter problems when installing or using this product, please consult the Microsemi website at: http://www.microsemi.com/PowerDsine/Support/

#### **Ordering Number:**

PD-AS-951G/18: for 10/100/1000Base-T

© 2012, Microsemi Corp. Contents and specifications are subject to change without notice. PD-AS-951-18V\_UG Rev. A00

## Installing the Unit

- 1. Ensure terminal is capable of receiving up to 18VDC.
- 2. Mount the Power over Ethernet (PoE) Splitter as close as possible to the terminal.
- Connect an Ethernet cable from the Splitter's "LAN OUT" output jack to the terminal's Ethernet input.
- Connect an Ethernet cable from the PoE Midspan port to the Splitter's "LAN IN" input jack.
- 5. Verify Splitter's "PWR" LED is turned on:
  - Green for 4 Pairs Midspan
  - Orange for 2 Pairs Midspan
- 6. Verify that the terminal powers up.





# PoE 4-Pairs Splitter Installation Guide PowerDsine PD-AS-951G/18

# **Technical Support**

If you encounter problems when installing or using this product, please consult the Microsemi website at: http://www.microsemi.com/PowerDsine/Support/

### **Ordering Number:**

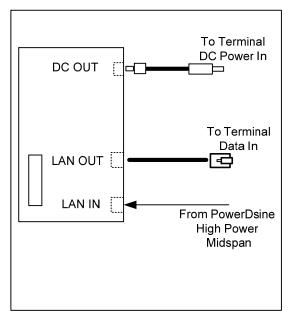
PD-AS-951G/18: for 10/100/1000Base-T

© 2012, Microsemi Corp.
Contents and specifications are subject to change without notice.
PD-AS-951-18V\_UG Rev. A00

# Installing the Unit

- 1. Ensure terminal is capable of receiving up to 18VDC.
- Mount the Power over Ethernet (PoE) Splitter as close as possible to the terminal.
- 3. Connect an Ethernet cable from the Splitter's "LAN OUT" output jack to the terminal's Ethernet input.
- Connect an Ethernet cable from the PoE Midspan port to the Splitter's "LAN IN" input jack.
- 5. Verify Splitter's "PWR" LED is turned on:
  - Green for 4 Pairs Midspan
  - Orange for 2 Pairs Midspan
- 6. Verify that the terminal powers up.





**Figure 1: Splitter Connections** 

# Specifications

**LAN IN Input** 

PD-AS-951G/18: 10/100/1000Base-T

**LAN OUT Output** 

PD-AS-951G/18: 10/100/1000Base-T

## **DC OUT Output**

PD-AS-951G/18 Internal pole: Positive (+) Vdc External pole: Negative (-) Vdc DC barrel connector: 3.4 x 1.35 mm

# **Power Ratings**

Input Voltage: 42 ~ 57 Vdc

Input Current: 720 mA max. for each pair.

Output Voltage: 18 Vdc Peak Output Current: 3.3 A Peak Output Power: 60W max. Continuous Output Current: 3A. Continuous Output Power: 54W max.

#### **Physical Dimensions**

Height: 38 mm (1.49 in.) Width: 73 mm (2.87 in.) 130 mm (5.12 in.) Depth:

#### **Environmental Requirements**

Operating Temperature: 0° C to +40° C Storage Temperature: -20° C to +70° C Humidity: up to 90%

**EMC** 

EN55024

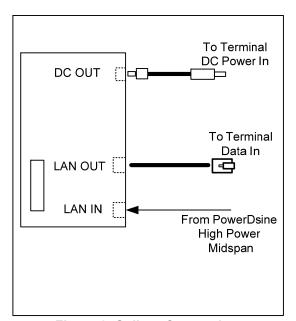
Copyright © 2012

Rev. A00, 25-July-12

Microsemi

Analog Mixed Signal Group 1 Enterprise, Aliso Viejo, CA 92656, USA; Within the USA: (800) 713-4113, Outside the USA: (949) 221-7100 Fax: (949) 756-0308





**Figure 2: Splitter Connections** 

# Specifications

LAN IN Input

PD-AS-951G/18: 10/100/1000Base-T

# **LAN OUT Output**

PD-AS-951G/18: 10/100/1000Base-T

#### **DC OUT Output**

## PD-AS-951G/18 Internal pole: Positive (+) Vdc External pole: Negative (-) Vdc DC barrel connector: 3.4 x 1.35 mm

#### **Power Ratings**

Input Voltage: 42 ~ 57 Vdc Input Current: 720 mA max. for each pair.

Output Voltage: 18 Vdc Peak Output Current: 3.3 A Peak Output Power: 60W max. Continuous Output Current: 3A. Continuous Output Power: 54W max.

#### **Physical Dimensions**

Height: 38 mm (1.49 in.) Width: 73 mm (2.87 in.) Depth: 130 mm (5.12 in.)

### **Environmental Requirements**

Operating Temperature: 0° C to +40° C Storage Temperature: -20° C to +70° C Humidity: up to 90%

**EMC** EN55024

Copyright © 2012 Rev. A00, 25-July-12



PowerDsin