LPJ008A-T-R2, LPJ016A-T-R2

8- OR 16-PORT 10/100/1000 POE INJECTOR

OVERVIEW

8- OR 16-PORT 10/100/1000 POE INJECTOR (LPJ008A-T-R2, LPJ016A-T-R2) DATA SHEET

INTRODUCTION

The 10/100/1000 PoE Injector has 8 or 16 Ethernet data input ports and 8 or 16 Ethernet data output ports equipped with 48-V power. The injector complies with the IEEE 802.3at PoE standard. Any Ethernet "Data" cable can directly connect to the input port and then come out "Data + Power" from the output port. The injector is smart plug-and-play and very easy to install in any existing networking system, to provide PoE features without any new reconfiguration.

The rackmount size was specifically designed for medium to large workgroups. The PoE Injector can be installed where space is limited; moreover, it provides smooth network migration and easy upgrade to network capacity. It mounts in a 19-inch rack or cabinet.

FEATURES

- HAS 8 OR 16 DATA INPUT PORTS THAT COMPLY WITH IEEE 802.3 10BASE-T, IEEE 802.3U 100BASE-TX AND IEEE 802.3AB 1000BASE-T
- HAS 8 OR 16 DATA + POWER PSE/POE OUTPUT PORTS THAT COMPLY WITH IEEE 802.3 10BASE-T, IEEE 802.3U 100BASE-TX, IEEE 802.3AB, 1000BASE-T AND IEEE 802.3AT POE
- SUPPORTS A MAXIMUM OF 30 W POWER FOR EACH PSE/POE PORT
- FITS IN A 19-INCH RACK OR CABINET
- EACH OUTPUT PORT HAS OUTPUT CURRENT LIMITED, SHORT-CIRCUIT PROTECTION, COMPLETE POWERED DEVICE (PD) DETECTION AND CLASSIFICATION
- SMART PLUG-AND-PLAY
- FRONT-PANEL LEDS INDICATE POWER AND STATUS

COMPARISON CHART

SPECIFICATION COMPARISON CHART		
	LPJ008A-T-R2	**LPJ016A-T-R2**
STANDARDS	IEEE 802.3af, IEEE 802.3at, IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T	
CONNECTORS	(8) 10/100/1000BASE-T data-in ports, (8) 10/100/1000BASE-T data-out and power-out ports	(16) 10/100/1000BASE-T data-in ports, (16) 10/100/1000BASE-T data-out and power-out ports
LED INDICATORS	Per Port: PD Link, Link ACT/Speed, Per Unit: Power	Per Port: PD Link, Link ACT/Speed, Per Unit: Power
L2 FEATURES	Auto-negotiation, Auto MDI/MDI-X, Flow Control (duplex): 802.3x (Full), Backpressure (Half)	Auto-negotiation, Auto MDI/MDI-X, Flow Control (duplex): 802.3x (Full), Backpressure (Half)
POWER	Input: 100 to 240 VAC, 50 to 60 Hz; Output: 56 VDC per port output, 30 W maximum per port, 8 ports at full 30 W; Consumption: 250 Watts (max.), PoE standards: IEEE 802.3af/at	Input: 100 to 240 VAC, 50 to 60 Hz; Output: 56 VDC per port output, 30 W maximum per port, 16 ports at full 30 W; Consumption: 500 Watts (max.), PoE standards: IEEE 802.3af/at
ENVIRONMENTAL	Operating Temperature: 32 to 104° F (0 to 40° C); Storage Temperature: -4 to +194° F (-20 to +90° C); Relative Humidity: 10 to 90% relative humidity, noncondensing	Operating Temperature: 32 to 104° F (0 to 40° C); Storage Temperature: -4 to +194° F (-20 to +90° C); Relative Humidity: 10 to 90% relative humidity, noncondensing
DIMENSIONS	1.7" H x 17.3" W x 8.7" D (4.4 x 44 x 22 cm)	1.7" H x 17.3" W x 8.7" D (4.4 x 44 x 22 cm)
WEIGHT	5.9 lb. (2.7 kg)	7.0 lb. (3.2 kg)
CERTIFICATIONS	FCC Class A, CE	FCC Class A, CE

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SPECIFICATIONS

8-PORT 10/100/1000 POE INJECTOR (LPJ008A-T-R2)

FRONT VIEW

BACK VIEW

LPJ008A-T-R2

LPJ008A-T-R2

WHAT'S INCLUDED WITH THE LPJ008A-T-R2

- **(1) 8-PORT 10/100/1000 POE INJECTOR**
- **(1) RACKMOUNT KIT ([2] BRACKETS AND [8] SCREWS)**
- **(1) POWER CORD**

8-PORT 10/100/1000 POE INJECTOR (LPJ008A-T-R2) SPECIFICATIONS	
STANDARDS	IEEE 802.3af, IEEE 802.3at, IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
CONNECTORS	(8) 10/100/1000BASE-T data-in ports, (8) 10/100/1000BASE-T data-out and power-out ports
LED INDICATORS	Per Port: PD Link, Link ACT/Speed, Per Unit: Power
L2 FEATURES	Auto-negotiation, Auto MDI/MDI-X, Flow Control (duplex): 802.3x (Full), Backpressure (Half)
POWER	Input: 100 to 240 VAC, 50 to 60 Hz; Output: 56 VDC per port output, 30 W maximum per port, 8 ports at full 30 W; Consumption: 250 Watts (max.), PoE standards: IEEE 802.3af/at
ENVIRONMENTAL	Operating Temperature: 32 to 104° F (0 to 40° C); Storage Temperature: -4 to +194° F (-20 to +90° C); Relative Humidity: 10 to 90% relative humidity, noncondensing
DIMENSIONS	1.7" H x 17.3" W x 8.7" D (4.4 x 44 x 22 cm)
WEIGHT	5.9 lb. (2.7 kg)
CERTIFICATIONS	FCC Class A, CE

SPECIFICATIONS

16-PORT 10/100/1000 POE INJECTOR (LPJ016A-T-R2)

FRONT VIEW

BACK VIEW

LPJ016A-T-R2

LPJ016A-T-R2

WHAT'S INCLUDED WITH THE LPJ016A-T-R2

- (1) 16-PORT 10/100/1000 POE INJECTOR
- (1) RACKMOUNT KIT ([2] BRACKETS AND [8] SCREWS)
- (1) POWER CORD

16-PORT 10/100/1000 POE INJECTOR (LPJ016A-T-R2) SPECIFICATIONS	
STANDARDS	IEEE 802.3af, IEEE 802.3at, IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
CONNECTORS	(16) 10/100/1000BASE-T data-in ports, (16) 10/100/1000BASE-T data-out and power-out ports
LED INDICATORS	Per Port: PD Link, Link ACT/Speed, Per Unit: Power
L2 FEATURES	Auto-negotiation, Auto MDI/MDI-X, Flow Control (duplex): 802.3x (Full), Backpressure (Half)
POWER	Input: 100 to 240 VAC, 50 to 60 Hz; Output: 56 VDC per port output, 30 W maximum per port, 16 ports at full 30 W; Consumption: 500 Watts (max.), PoE standards: IEEE 802.3af/at
ENVIRONMENTAL	Operating Temperature: 32 to 104° F (0 to 40° C); Storage Temperature: -4 to +194° F (-20 to +90° C); Relative Humidity: 10 to 90% relative humidity, noncondensing
DIMENSIONS	1.7" H x 17.3" W x 8.7" D (4.4 x 44 x 22 cm)
WEIGHT	7.0 lb. (3.2 kg)
CERTIFICATIONS	FCC Class A, CE

ORDERING INFORMATION

ITEM	CODE
10/100/1000 PoE Injector	
8-Port	**LPJ008A-T-R2**
16-Port	**LPJ016A-T-R2**

ABOUT BLACK BOX

Black Box is a world leading technology solutions provider specializing in complete high-performance KVM, professional A/V signal distribution and extension and switching solutions for mission-critical applications. Black Box is dedicated to delivering superior project engineering, technical support, and 24/7 customer service you can rely on for your most critical operations.

Every day, our customers trust us to design, integrate, and maintain reliable control room solutions for broadcasting, post-production, stadiums & arenas, medical, air traffic control, oil & gas, government & military, and utility industries. Leave the tech to us and our comprehensive technology solutions will deliver secure connections, fast-response times, real-time collaboration and more.

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