LIE402A

# 802.3BT 60 W POE++ GIGABIT INDUSTRIAL UNMANAGED SWITCH

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802.3BT 60 W POE++ GB INDUSTRIAL UNMANAGED SWITCH (LIE402A) DATA SHEET

#### INTRODUCTION

The LIE402A is an industrial unmanaged Ethernet switch that features two SFP uplink ports and four 10/100/1000 RJ-45 Power-over-Ethernet (PoE) ports.

NOTE: SFPs are ordered separately.

#### **FEATURES**

- TWO SFP AND FOUR RJ-45 PORTS
- SUPPORTS IEEE 802.3AF POE (15.4 W), IEEE 802.3AT POE+ (30W), OR IEEE 802.3BT POE++ (60W) PER RJ-45 PORT
- PROVIDES FULL POE++ POWER SIMULTANEOUSLY TO ALL ETHERNET
- CONFIGURABLE POE POWER RESET
- SUPPORTS TWISTED-PAIR AND FIBER SFP TRANSCEIVERS
- INCLUDES FIBER REDUNDANCY
- DUAL DEVICE MODE ENABLES THE SWITCH TO OPERATE AS TWO SEPARATE SWITCHES
- DIRECTED SWITCH MODE PREVENTS PORT FLOODING
- SUPPORTS JUMBO FRAMES UP TO 10,240 BYTES
- ISOLATED SINGLE OR DUAL DC POWER FOR REDUNDANCY
- DIN-RAIL MOUNTABLE WITH INCLUDED CLIP
- FANLESS DESIGN FOR LONG LIFE AND VIBRATION RESISTANCE
- OPERATES AT -40 TO +167° F (-40 TO +75° C)

## PHOTOS/WHAT'S INCLUDED

802.3BT 60 W POE++ GB INDUSTRIAL UNMANAGED SWITCH (LIE402A)



DIN-Rail Bracket

Ground Screws

LIE402A

WHAT'S INCLUDED WITH THE LIE402A

- (1) LIE402A INDUSTRIAL UNMANAGED SWITCH
- (1) ±46 TO ±57 VDC POWER ADAPTER

NOTE: SFPs are ordered separately. See chart on page 4.

## **IEEE SPECIFICATIONS**

	IEEE Specifications			
Description	802.3af PoE	802.3at PoE+	802.3.bt PoE++ Type 3	
Power available at PD	12.95 watts	25.5 watts	51 watts	
Max. power delivered by PSE	15.4 watts	30.0 watts	60 watts	
Voltage range at PSE	44.0 to 57.0 VDC	50.0 to 57.0 VDC	50.0 to 57.0 VDC	
Voltage range at PD	37.0 to 57.0 VDC	42.5 to 57.0 VDC	42.5 to 57.0 VDC	



# **SPECIFICATIONS**

# 802.3BT 60 W POE++ GB INDUSTRIAL UNMANAGED SWITCH (LIE402A) DATA SHEET

SPECIFICATIONS FOR LIE402A		
STANDARD COMPLIANCES	EEE 802.3af (15.40 watts max)  EEE 802.3at (30 watts max)  EEE 802.3bt (60 watts max)	
ENVIRONMENTAL	REACH, RoHS, and WEEE	
POE MODES	IEEE Alternate A (Alt A) 4-Pair	
FRAME SIZE	Up to 10,240 bytes	
DC POWER REQUIREMENTS	+46 to +57 VDC; inclusive of tolerance 4.46A @ 56 VDC 2 Pin Terminal (non-isolated)	
DIMENSIONS	5.5" H x 1.5" W x 5.5" D (13.9 x 3.8 x 13.9 cm)	
WEIGHT	1.70 lb. (0.77 kg)	
OPERATING TEMPERATURE	Industrial: -40 to +167° F (-40 to +75° C) Storage: -40 to +176° F (-40 to +80° C)	
HUMIDITY	5 to 95% (non-condensing)	
ALTITUDE	-328 to +13,123 ft. (-100 to +4,000 m) (operational)	
MTBF (HOURS)	273,000	
REGULATORY COMPLIANCES	Safety: UL-60950-1,	

# **COMPATIBLE SFPS**

## 802.3BT 60 W POE++ GB INDUSTRIAL UNMANAGED SWITCH (LIE402A) DATA SHEET

COMPATIBLE TWISTED-PAIR AND FIBER SFPS				
PART NUMBER	DESCRIPTION	DISTANCE		
100-MBPS CONNECTIONS				
LFP401	SFP, 155-Mbps, Extreme Temperature, 850 nm Multimode Fiber, 2 km, LC	2 km		
LFP402	SFP, 155-Mbps, Extreme Temperature, 1310 nm Multimode Fiber, 2 km, LC	2 km		
LFP403	SFP, 155-Mbps, Extreme Temperature, 1310 nm Singlemode Fiber, 30 km, LC	30 km		
1000-MBPS CONNECTIONS				
LFP411	SFP, 1.25-Gbps, Extreme Temperature, 850 nm Multimode Fiber, 550 m, LC	550 m		
LPF412	SFP, 1.25-Gbps, Extreme Temperature, 1310 nm Multimode Fiber, 2 km, LC	2 km		
LFP413	SFP, 1.25-Gbps, Extreme Temperature, 1310 nm Singlemode Fiber, 10 km, LC	10 km		
LFP414	SFP, 1.25-Gbps, Extreme Temperature, 1310 nm Singlemode Fiber, 40 km, LC			
LFP415	SFP, 1.25-Gbps, Extreme Temperature SFP with Extended Diagnostics ,Copper RJ-45, SerDes, 100 m	100 m		
LFP416	SFP, 1.25-Gbps, Extreme Temperature SFP with Extended Diagnostics, Copper RJ-45, SGMII, 100 m	100 m		
LFP420	SFP, 1.25-Gbps, Extreme Temperature, 1550/1310 nm Singlemode Simplex Fiber, 10 km, LC	10 km		
LFP421	SFP, 1.25-Gbps, Extreme Temperature, 1310/1550 nm Singlemode Simplex Fiber, 10 km, LC	10 km		
LFP441	SFP, 1.25-Gbps, 850nm Multimode Fiber, 550 m, LC	550 m		
LFP442	SFP, 1.25-Gbps, 1310nm Singlemode Fiber, 20 km, LC	20 km		
LFP443	SFP, 1.25-Gbps, Copper RJ-45, 100 m, SGMII, 100 m	100 m		

## ORDERING INFORMATION

ITEM	CODE
802.3bt 60 W PoE++ GB Industrial Unmanaged Switch	
-40 to +167° F (-40 to +75° C) temperature range	
±46 to ±57 VDC power adapter	LIE402A
NOTE: See chart on page 4 for compatible twisted-pair a modules.	ınd fiber SFP

## **DISCLAIMER**

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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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