

# LSP-0200X-bt-100-T

## INDUSTRIAL 2-PORT ETHERNET POE SURGE PROTECTOR



### FEATURES

- 2\*10/100/1G/2.5G/5G/10G RJ45 Ports for PoE In
- 2\*10/100/1G/2.5G/5G/10G RJ45 Ports for PoE Out
- Supports up to 100W PoE++
- Protects Up to 10KA Surge
- Rugged Design with IP30 Protection
- DIN-Rail or Wall Mountable
- Operating Temperature: -40°C to 75°C
- 5-Year Warranty



### INTRODUCTION

Antaira Technologies LSP-0200X-bt-100-T is a high-performance industrial Ethernet PoE surge protector designed to safeguard critical networking infrastructure in harsh and demanding environments. Featuring a rugged, IP30-rated enclosure and support for up to 100W PoE++ across high-speed Ethernet interfaces up to 10Gbps, this 2-channel device provides robust protection against lightning strikes, electrical surges, and transient voltage events. By effectively diverting excess energy away from connected equipment—including PoE switches and powered devices—the LSP-0200X-bt-100-T ensures reliable network operation, minimizes downtime, and extends the lifespan of sensitive industrial communication systems.

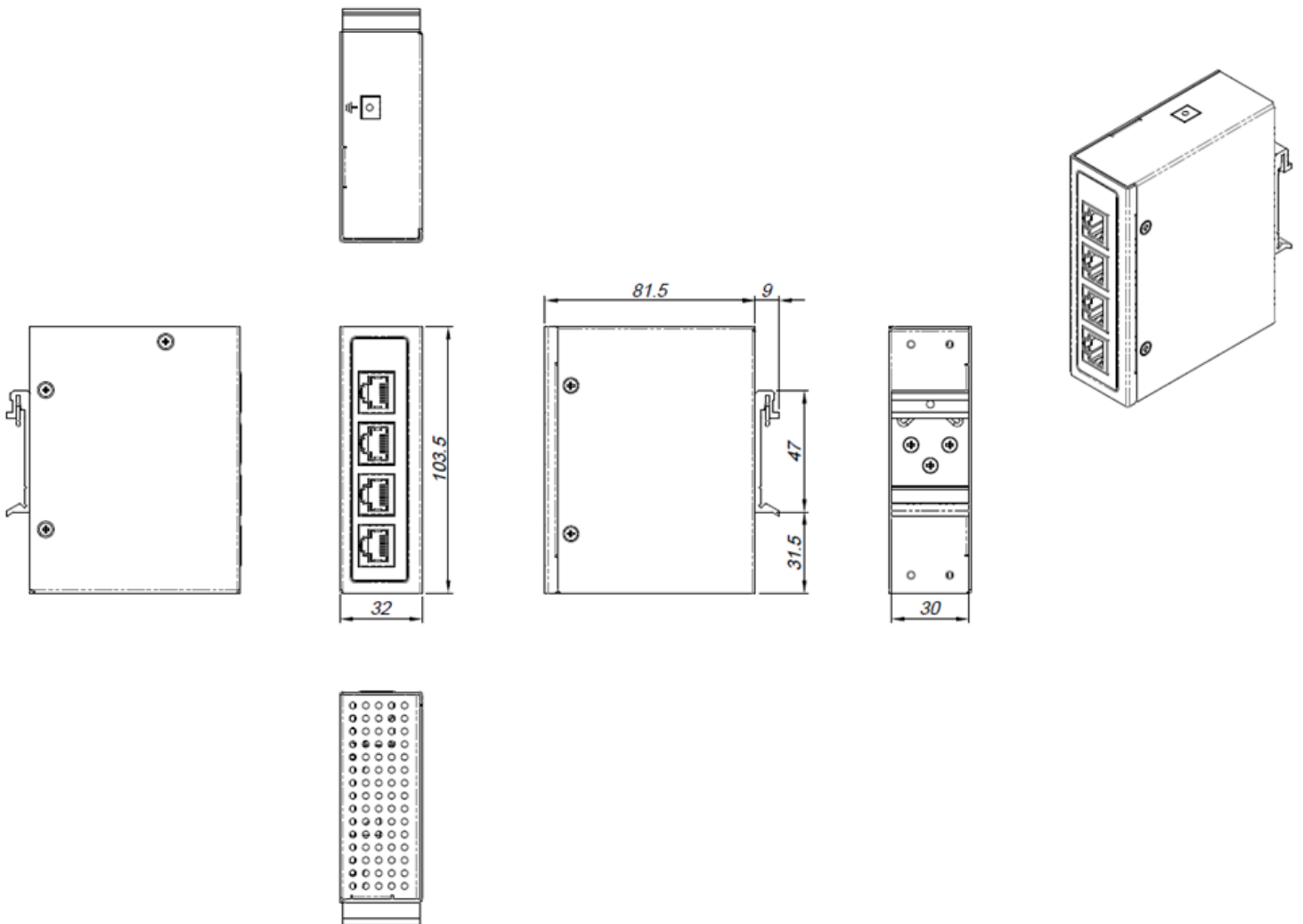
# SPECIFICATIONS

## Hardware Specifications

Part Number	Total Ports	PoE In	PoE Out	Max System DC Voltage	Max System DC Current	Operating Temperature
LSP-0200X-bt-100-T	4	2	2	60VDC	1A for 2 pair 2A for 4 pair 100W maximum	-40 to 75°C -40 to 167°F

## Physical Specifications

Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Housing	Mounting
LSP-0200X-bt-100-T	32 x 103.5 x 81.5mm 1.26 x 4.07 x 3.21in	0.14kg 0.31lb	0.25kg 0.55lb	Rugged Aluminum IP30 Protection	DIN-Rail Wall Mount



Standards	
Part Number	IEEE Standards
LSP-0200X-bt-100-T	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-T Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3bz 2.5GBASE-T and 5GBASE-T 2.5G/5G Ethernet IEEE 802.3ae 10GBASE-T 10G Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet plus IEEE 802.3bt Power over Ethernet plus plus Compliant with 60W uPoE Standard Compliant with 100W Power over HDBaseT (PoH) standard

Surge Protector Properties			
Specification		Specification	
Network Connector	2*Gigabit TX port for PoE In 2*Gigabit TX port for PoE Out	Clamping Voltage (Line to Ground)	600V
Network Cable	UTP/STP Cat. 5e or above cable EIA/TIA-568 (100m)	Clamping Voltage (Line to Line)	20V
Max Operation DC Voltage	60VDC	Insertion Loss @ 10MHz/100MHz	1db
Max Operation DC Current	1A for 2 pair 2A for 4 pair 100W maximum	Return Loss @ 10MHz/100MHz	-20db
Nominal Discharge Current Line-Ground (8/20us)	10KA	Response Time	5ns
Nominal Discharge Current Line-Ground (10/1000us)	200A	Capacitance Line-Line	≤ 1 PF
Nominal Discharge Current Line-Line (8/20us)	30A	Capacitance Line-Ground	≤ 1 PF

Compliance Specifications	
EMC	CE (EN 55032/EN 55035), FCC
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-31
Storage Temperature	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5% to 95%, (non-condensing)
Country of Origin	Made in Taiwan - NDAA / TAA Compliant
Warranty	5 Years

## Mean Time Between Failures (MTBF)

Part Number	MTBF
LSP-0200X-bt-100-T	2,125,226.72 hrs. at 50°C

## ORDERING INFORMATION

### Switch Models

Part Number	Description
LSP-0200X-bt-100-T	Industrial PoE Surge Protector - 2*10/100/1G/2.5G/5G/10G RJ45 (PoE In) and 2*10/100/1G/2.5G/5G/10G RJ45 (PoE Out); EOT: -40°C to 75°C

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Specifications are subject to change without notice and without incurring any obligation.