

The No.1 Industrial PoE Brand

Over 200 PoE models delivering up to 100W per port for AI-driven workloads

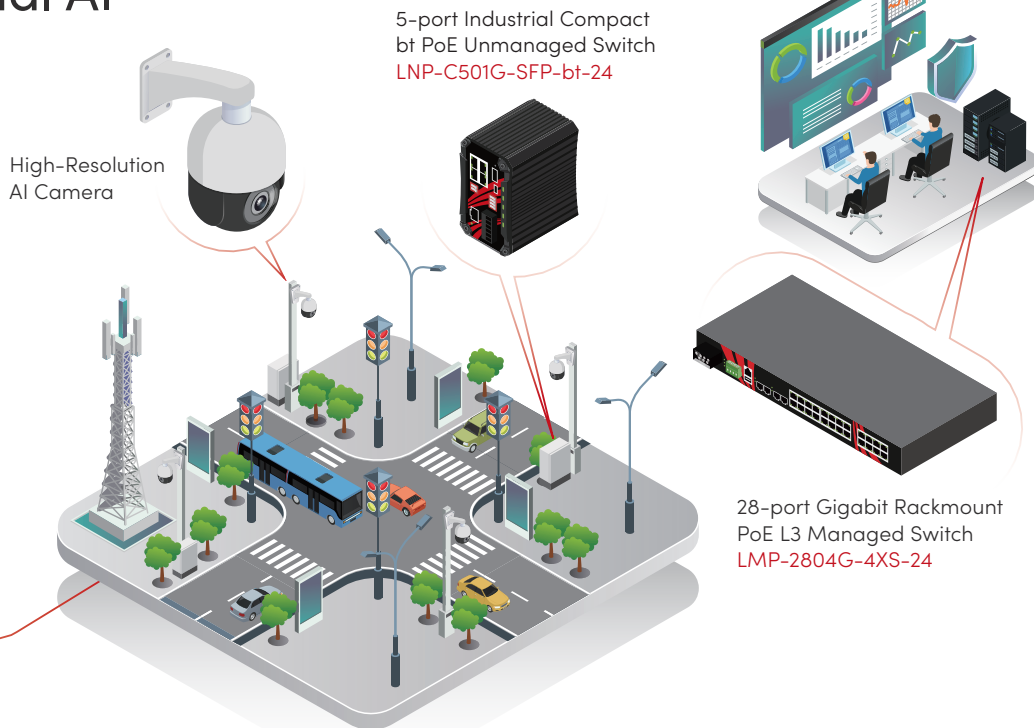
# High-Power PoE Product Selection Guide



# Antaira High-Power bt PoE: Powering the Future of Industrial AI

The rapid advancement of Industrial AI has created unprecedented demands for network infrastructure. High-power bt PoE addresses this challenge by delivering reliable power to intensive bandwidth of edge AI devices such as high-resolution cameras, sensors, and intelligent controllers, while simultaneously supporting real-time analytics and escalating video data loads. Antaira offers the industry's most comprehensive high-power bt PoE solutions, spanning edge-to-core networks for every application.

**Seamless Edge-to-Core  
High-Bandwidth Data  
Transmission for ITS**



## Why High-Power PoE (IEEE 802.3bt)

PoE technology has evolved from IEEE 802.3af (15.4W) to 802.3at (30W), and now to 802.3bt PoE++ (60–90W) to meet the needs of heavy-load applications. For example, in intelligent transportation (ITS) applications, high-resolution cameras with AI analytics, PTZ capabilities, and environmental controls demand high-power bt PoE switches to ensure reliable, continuous operation across complex deployments.

**IEEE 802.3bt**  
Power Sourced **90W**  
Power Requested **71.3W**



AI Camera



Smart Lighting



Digital Signage

## Why Antaira PoE Switches Lead the Industrial Market

Antaira, the No.1 Industrial PoE brand, offers over 200 models delivering up to 100W per port to power your AI-driven workloads. Here's why Antaira is your only choice for industrial networking:

### 1 The Most Comprehensive Portfolio

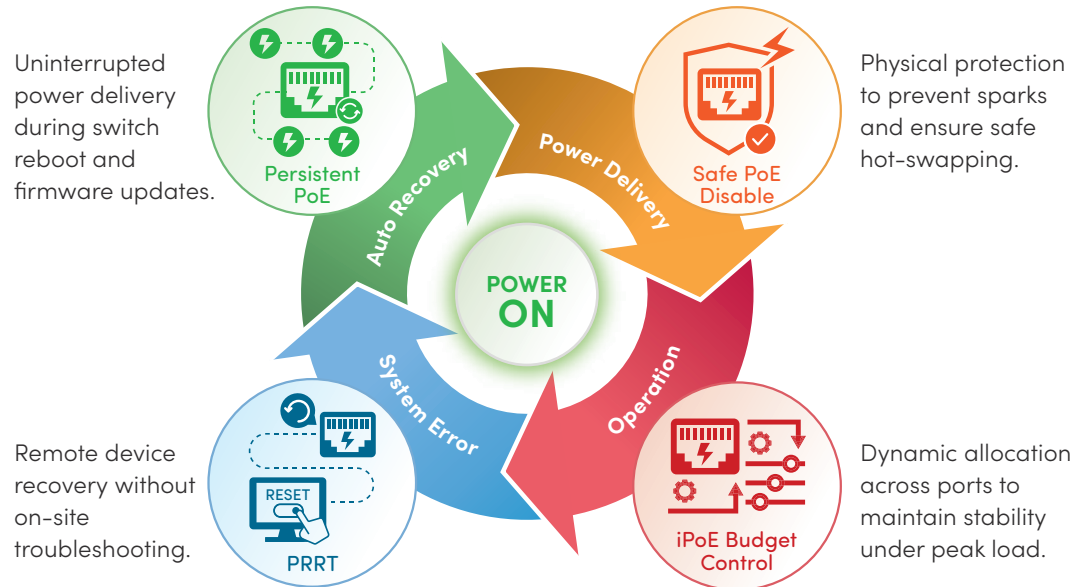
Over 200 models across 9 product lines, including L3 switches, managed switches, unmanaged switches, media converters, and PoE injectors. Designed to meet every industrial network requirement and cover all PoE device categories.

### 2 Low-Voltage Power Input for Industrial Needs

Supports 12/24 VDC input, making it ideal for factory automation, embedded systems, and in-vehicle applications. It connects directly to your power supply without the need for external adapters, ensuring easy installation and reliable performance in any industrial environment.







### 3 Smart Tech, Simplified Power

Add-on PoE power intelligence enabled by four patented technologies throughout the power device lifecycle to deliver safe, reliable and resilient networking performance.








Antaira's PoE incorporates patented technologies throughout the power device lifecycle.

# Intelligent PoE switches

PoE Series	Industrial L3 Managed Switch			Industrial Light L3 Managed Switch		
Model Name	LMP-2804G-4XS-24	LMP-2812G-4X8S-24	LMP-1604G-4XS-bt	LMP-C602G-SFP-bt-V2	LMP-0702G-SFP-bt-24-V2	LMP-1204G-SFP-bt-24
Product Description	28-Port Gigabit Rackmount Managed Switch	28-Port Gigabit Rackmount Managed Switch	16-Port Gigabit Managed Switch	6-Port Gigabit Compact Managed Switch	7-Port Gigabit Managed Switch	12-Port Gigabit Managed Switch
						
<b>Technical Information</b>						
Number of Ports	28	28	16	6	7	12
10/100/1000BASE-T	24	16	12	4	5	8
100/1000BASE-X SFP Slots	-	8	-	2	2	4
1G/2.5G/10GbE SFP+ Slots	4	4	4	-	-	-
IEEE 802.3at PoE (P.S.E.)	24	16	-	-	-	4
IEEE 802.3bt PoE (P.S.E.)	-	-	12	4	4	4
<b>Power Requirements</b>						
Redundant Power Inputs	12-55 VDC	12-55 VDC	48-55 VDC	48-55 VDC	12-55 VDC	12-55 VDC
<b>Mechanical Characteristics</b>						
Housing	Metal, IP30	Metal, IP30	Metal, IP30	Metal, IP40	Metal, IP30	Metal, IP30
Dimensions (W/H/D mm)	440 x 44 x 215	440 x 44 x 215	72 x 160 x 130	65 x 110 x 90	54 x 142 x 99	54 x 142 x 99
Mounting	Rack Mounting	Rack Mounting	DIN-Rail, Panel Mounting	DIN-Rail, Panel Mounting	DIN-Rail, Panel Mounting	DIN-Rail, Panel Mounting
<b>Operating Temperature</b>						
Standard (-10 to 65°C)	✓	✓	✓	✓	✓	✓
Extended (-40 to 75°C)	✓	✓	✓	✓	✓	✓
<b>Standards / Certifications</b>						
EN 61000-6-4 / EN 61000-6-2	✓	✓	✓	✓	✓	✓
CE / FCC Part 15B / CISPR 22	✓	✓	✓	✓	✓	✓
UL 61010	✓	✓	✓	✓	✓	✓
<b>Patented Innovation</b>						
PRRT	-	-	-	-	-	-
Safe PoE Disable	-	-	-	✓	✓	✓
iPoE Technology	✓	✓	-	-	-	-
Persistent PoE	-	-	✓	✓	✓	✓

# Intelligent PoE switches

PoE Series	Industrial Unmanaged Switch			Industrial Media Converter	
Model Name	LNP-C501G-SFP-bt	LNP-C501G-SFP-bt-24	LNP-0500G-bt-24	IMP-C1000-SFP-bt	IMP-C1000-SFP-bt-24
Product Description	5-Port Gigabit Compact Unmanaged Switch	5-Port Gigabit Compact Unmanaged Switch	5-Port Gigabit Unmanaged Switch	Compact Gigabit Media Converter	Compact Gigabit Media Converter
					
<b>Technical Information</b>					
Number of Ports	5	5	5	2	2
10/100/1000BASE-T	4	4	5	1	1
100/1000BASE-X SFP Slots	1	1	-	1	1
1G/2.5G/10GbE SFP+ Slots	-	-	-	-	-
IEEE 802.3at PoE (P.S.E.)	-	-	-	-	-
IEEE 802.3bt PoE (P.S.E.)	4	4	4	1	1
<b>Power Requirements</b>					
Redundant Power Inputs	48-55 VDC	12-55 VDC	12-55 VDC	48-55 VDC	12-55 VDC
<b>Mechanical Characteristics</b>					
Housing	Metal, IP40	Metal, IP40	Metal, IP30	Metal, IP40	Metal, IP30
Dimensions (W/H/D mm)	65 x 110 x 90	65 x 110 x 90	54 x 142 x 99	30 x 95 x 75	30 x 95 x 75
Mounting	DIN-Rail, Panel Mounting	DIN-Rail, Panel Mounting	DIN-Rail, Panel Mounting	DIN-Rail, Panel Mounting	DIN-Rail, Panel Mounting
<b>Operating Temperature</b>					
Standard (-10 to 65°C)	✓	✓	✓	✓	✓
Extended (-40 to 75°C)	✓	✓	✓	✓	✓
<b>Standards / Certifications</b>					
EN 61000-6-4 / EN 61000-6-2	✓	✓	✓	✓	✓
CE / FCC Part 15B / CISPR 22	✓	✓	✓	✓	✓
UL 61010	✓	✓	✓	✓	✓
<b>Patented Innovation</b>					
PRRT	✓	✓	-	✓	✓
Safe PoE Disable	✓	✓	✓	-	-
iPoE Technology	-	✓	-	-	-
Persistent PoE	-	-	-	-	-



## Making connectivity simple

The No.1 Industrial PoE brand, from Edge-to-Core  
– Covering All Your PoE Needs.

Antaira Technologies is a leading developer and manufacturer that provides high-quality industrial networking and communication product solutions. We make connectivity simple for networking devices from legacy to Modbus TCP with diverse products ranging from industrial Ethernet switches, industrial wireless, cellular gateway, Ethernet media converters and serial devices. With high-quality, user-oriented design and industry standards, our products ensure reliable and simple connectivity in rugged environments.

### Contact Form



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