

## FEATURE HIGHLIGHTS



- Supports 802.3af (PoE), 802.3at (PoE+)
- Up to 30W PoE power available
- Redundant 12~57VDC Power input
- Supports Mode A and Mode B, DIP-Switch Selectable
- 2x 10/100/1000 BASE-T(X) ports (data in, data + PoE out)
- IP30 aluminum with DIP-Rail / Wall mount (optional)
- Operating range of -40°C to 75°C
- EN 62368-1 and UL/IEC 62368-1 certified
- Strong EMC Protection, up to Level 4

## PRODUCT DESCRIPTION

### Multi-Protocol Support

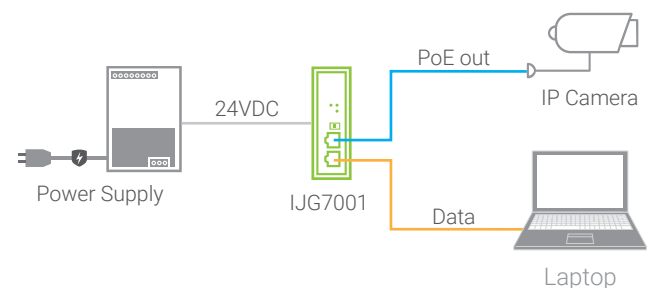
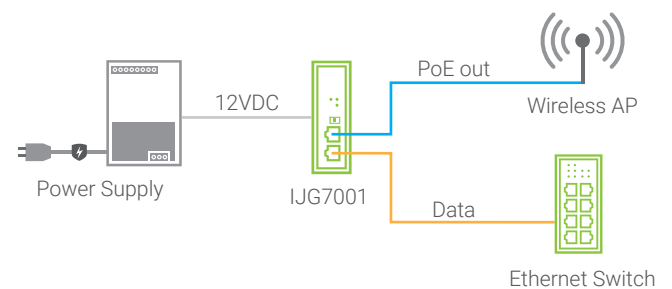
This PoE Injector allows you to provide PoE Power to virtually any device. Besides legacy IEEE 802.3af (PoE) and IEEE 802.3at (PoE+) standards.

### Mode A and Mode B selection

IJG7001 supports for 802.3af/at both Mode A and Mode B, allowing you through a simple DIP-Switch setting, to determine which pins to use to transfer the power and be flexible in adapting this device in virtually any requirement without the hassle of different part numbers.

### Flexible power input

Equipped with a 12~57VDC wide-range redundant power input combined with a strong EMC protection, IJG7001 can be flexibly installed on machine-side, reducing the overall cost of ownership resulting in not needing an external, expensive, power supply.



## SPECIFICATIONS

Technical Specifications	
Product	IJG7001
Ethernet	
Compliance	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) IEEE 802.3ab for 1000BaseT(X) IEEE 802.3af for Power-over-Ethernet (PoE - max 15.4W) IEEE 802.3at for Power-over-Ethernet (PoE+ - max 30.0W)
PoE modes	Mode A/ Mode B DIP-Switch selectable Mode A: PoE power through data pins (1,2,3,6) Mode B: PoE power through spare pins (4,5,7,8)
RJ 45 Transmission Rate	10/100/1000 Mbps
Auto MDI/MDI-X	Yes
Power	
PoE Voltage Booster	Yes (Max support 30W)
Input Voltage	12~57 VDC (power limitations)
Input Current	Max 3.6A @12VDC
Max. Power Consumption	30W
LED	
Indicators	P1, P2, PoE
Physical Characteristics	
Housing	IP30 metal housing
Dimension (W x H x D)	32 x 110 x 90 mm
Weight	340g
Installation	DIN-Rail , Wall mount (optional kit)*
Environmental Limits	
Operating Temperature	-40°C~75°C (-40°F~167°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Ambient Relative Humidity	5%~95%, 55°C (Non-condensing)

## REGULATORY APPROVALS

Regulatory Approvals				
Safety	EN60950-1, EN62368-1, UL60950-1:2006, UL62368-1			
EMC	FCC Part 15, Subpart B, Class A EN 55032:2015 +AC:2016 Class A, EN 61000-3-2: 2014, Class A, EN 61000-3-3: 2013, EN 61000-6-4: 2007+ A1: 2001 EN 55024: 2010+ A1:2015, EN 61000-6-2:2005+ AC : 2005			
Test	Item	Value	Level	
IEC 61000-4-2	ESD	Contact Discharge	±6kV	3
		Air Discharge	±8kV	3
IEC 61000-4-3	RS	80-1000MHz	10(V/m)	3
		1. 4-2.0GHz	3(V/m)	3
		2. 0-2.7GHz	10(V/m)	3
IEC 61000-4-4	EFT	DC Power Port	±4.0KV	4
		Signal Port	±2.0KV	4
IEC 61000-4-5	Surge	DC Power Port	Line-to Line±2.0kV	4
		DC Power Port	Line-to Earth±4.0kV	4
		Signal Port	Line-to Earth±3.0kV	3
IEC 61000-4-6	CS	0.15-80MHz	10 V rms	3
IEC 61000-4-8	PFMF	Enclosure	10 A/m	3
IEC 61000-4-11	DIP	AC Power Port	-	A
Shock	MIL-STD-810F Method 516.5			
Drop	MIL-STD-810F Method 516.5			
Vibration	MIL-STD-810F Method 514.5 C-1 & C-2			
RoHS	Yes			
MTBF	72.23 years			
Warranty	5 years			

## ORDERING INFORMATION

Ordering Information					
Model Name	Part Number	RJ45 Ports	SFP slots	PoE	12~57V PoE booster
IJG7001	1P1IJG70010001G	2	0	1	Yes

Optional Accessories			
Type	Model name	Part Number	Description
Wall Mount	Wall Mount set	70100000000052G	Aluminum wall mount kit
Power Supply	SDR-75-24	50500752240001G	DIN RAIL;AC 88~264V to 24VDC 3.2A;75W
	SDR-240-48	50502401480001G	DIN RAIL;AC 88~264V to 48V~55VDC 5A; 240W
	SDR-480-48	50504801480001G	DIN RAIL;AC 88~264V to 48V~55VDC 5A; 480W