



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

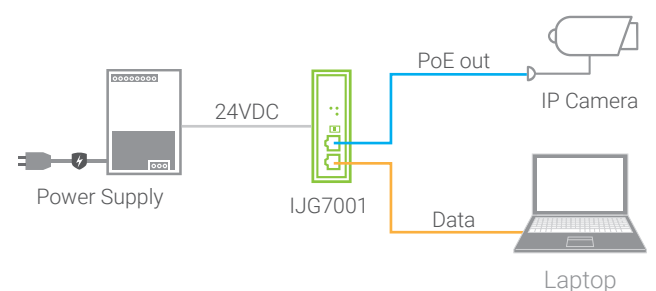
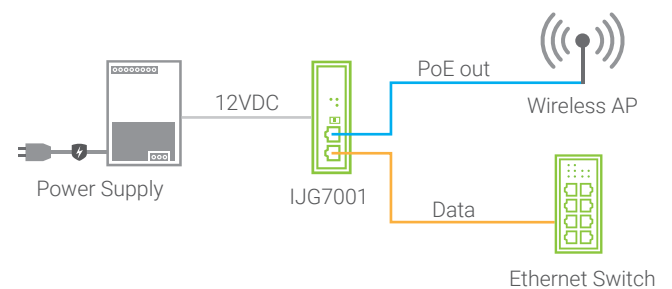
This PoE Injector allows you to provide PoE Power to virtually any device. Besides legacy IEEE 802.3af (PoE) and IEEE 802.3at (PoE+) standards.

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	20 years (TBD)			
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