



DU210G

60 Watts, selectable Mode A and Mode B, Industrial Gigabit POE Injector, 1x10/100/1000M TX PSE (802.3af/at POE+) TX, 1x10/100/1000M TX, 44-56VDC, Operating temp: -40°C to +75°C

Models also available:

- DU210G-24 --- 60 Watts, selectable Mode A and Mode B, Industrial Gigabit POE Injector with voltage booster, 24/48/56 VDC Input, 1xGiga TX POE+, 1x10/100/1000M TX, -40°C -75°C
- DU210G --- 60 Watts, selectable Mode A and Mode B, Industrial Gigabit POE Injector, 44~56 VDC Input, 1xGiga TX POE+, 1x10/100/1000M TX, -40°C -75°C
- DI100G-A-12 --- 36Watts, Mode A, Industrial Gigabit POE Injector with voltage booster, 12/24/48/56 VDC Input, 1xGiga TX POE+, 1x10/100/1000M TX, -40°C -75°C
- DI100G-B-12 --- 36Watts, Mode B, Industrial Gigabit POE Injector with voltage booster, 12/24/48/56 VDC Input, 1xGiga TX POE+, 1x10/100/1000M TX, -40°C -75°C
- DI100G-A --- 36Watts, Mode A, 44~56 VDC Input, Single port Giga POE+ Injector, with 1xGiga TX POE+, 1x10/100/1000M TX, -40°C -75°C
- DI100G-B --- 36Watts, Mode B, 44~56 VDC Input, Single port Giga POE+ Injector, with 1xGiga TX POE+, 1x10/100/1000M TX, -40°C -75°C



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Introduction

This 60 Watts, high power Single port industrial POE Injector is equipped with our high efficiency ColdDesign technology to provide 60 watts power to your security equipment by a 4-pin selectable dip switch. The ColdDesign technology will not only power up your PD device, also reduce the excessive heat problem to a minimum. It accepts the input voltage from 44VDC to 56VDC to meet IEEE802.3af/at required voltage. This built-in 4 pin dip switches are able to select POE for Mode B or Mode A, to select standard IEEE802.3at 30Watts or high power 36Watts, and to select 2 pair or 4 pair for 30/36Watts or 60/72Watts power output. It is being rigorously tested for your Security, Transportation and Telco application.

YODA

Specification

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE802.3af for POE IEEE802.3at for POE+
Network Connector :	1xRJ-45 10/100/1000BaseT(X) Data 1xRJ-45 10/100/1000BaseT(X) PSE with POE Output power
Network Cable	UTP/STP above Cat.5e Cable EIA/TIA-568 10-ohm (100m)
Protocol	CSMA/CD
LED	PW1(power 1) Green: ON- power good, OFF- power failed PW2(power 2) Green: ON- power good, OFF- power failed Mode A : ON- End Span PD detected Mode B: ON – Mid Span PD detected 4 Pair: ON – 60W PSE in active mode. OFF – 30W PSE in active mode.
POE Pin Assignment	Default: Mode A (End Span) V+, V+, V-, V- for pin 1, 2, 3, 6 DIP switch setting can be changed to Mode B, V+, V+, V-, V- for pin 4, 5, 7, 8
DIP Switch	To select 2 pair (30/36Watts) or 4 pair (60/72Watts) To select Mode A, or Mode B To select standard IEEE802.3at 30watts or high power POE 36Watts
Reverse polarity protection	Present
Overload current protection	Present
Power Supply	2 Redundant power source 44V-56V VDC Power Input,
Power Consumption	1 W@48 VDC Without POE
POE power	Maximum POE power 72watts at 56VDC input



Removable Terminal Block	Provide 4 pin terminal block Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Operating Temperature	-40°C~75°C fully tested.
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C~85°C
MTBF (mean time between failure)	510,304 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Metal ,IP30 Protection
Case Dimension (L X W X D)mm	103.5mmx32mmx81.5mm (LxWxD)
Installation mounting	DIN Rail mounting and Wall Mounting
Certifications:	
EN55022/24	ITE equipment
EN50155(pending)	Railways Applications Electronic Equipment used on Rolling Stock
EN55011	Industrial, Scientific and Medical (ISM) equipment
EN50121-3-2	Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus
EN50121-4 (pending)	Railway Applications – Electromagnetic Compatibility – Part4 Emissions and Immunity of the Signaling and Telecommunications Apparatus
Safety	IEC EN60950-1
EMC/EMS	CE, FCC, VCCI
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EN 50155 / EN 60068-2-6	Vibration
EN 50155 / EN 60068-2-27	Shock
EN 50155 / EN 60068-2-32	Free Fall



Housing Dimension

