



- 1x Gigabit Ethernet port
- 1x 100/1000F(x) SFP Slot, support either Multi-Mode or Single-Mode
- SFP speed selectable
- PDM monitoring to keep alive PD
- Built for harsh environments and wide temperature range application
- IP30 housing
- DIN-Rail Mounting, Optional Wall Mounting



Specifications

Technology

Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3ab 1000BaseT
	IEEE 802.3z 1000BaseX
	IEEE 802.3x Flow Control
	IEEE 802.3at PoE+
	IEEE 802.3bt PoE++

Processing Type	Store and forward
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Interface

RJ45 Port	1x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X
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Fiber Port	1x 100/1000F(x) SFP Slot
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DIP Switch	Speed: Select SFP 100M or 1000M PDM: PD Keep alive
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PoE Pin Out	V+, V+, V-, V-, for pin 3, 6, 1, 2, Endspan, MDI Mode A
	V+, V+, V-, V-, for pin 7, 8, 4, 5, Endspan, MDI Mode B 4-pair mode for 802.3bt

LED Indicators	Per unit: PWR1, PWR2
	Port: TP – Link/Act (Green), PoE (Amber)
	Fiber – Link (Green)

Power Requirements

Operation Voltage	48-57VDC, redundant dual inputs, >50VDC for PoE+, >52VDC for PoE++ output recommended
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Connection	1x removable 4-contact terminal block
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Power Consumption	0.07A@54VDC without PD load
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Protection	Overload Current Protected, Reverse Polarity Protected
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Mechanical Construction

Enclosure	SECC
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Protection Class	IP30
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Dimensions	29x140x98 mm (WxHxD)
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Weight	0.6 kg
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Mounting	DIN-Rail Mounting
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Environmental Limits

Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
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Storage Temperature	-40°C ~ 85°C
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Ambient Relative Humidity	5 to 95%, (Non-Condensing)
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Regulatory Approvals

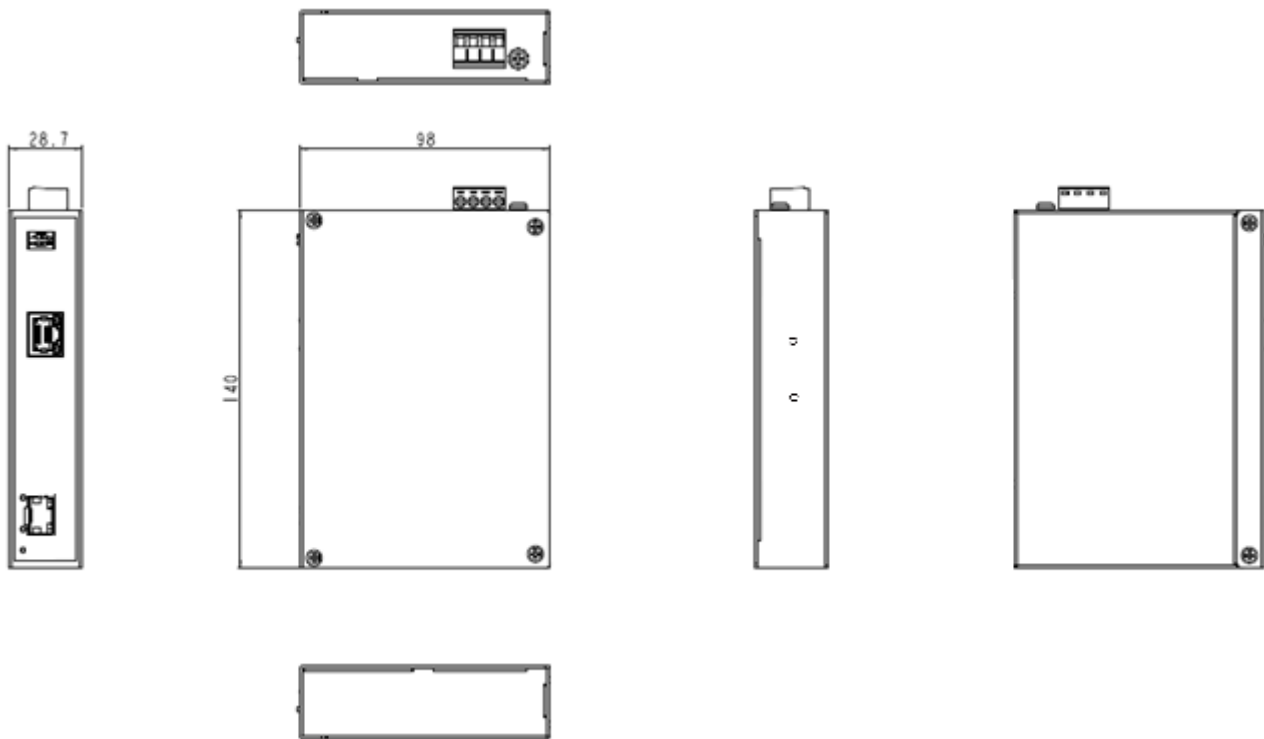
EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A
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EMS	IEC61000-4-2 (ESD)
	IEC61000-4-3 (RS)
	IEC61000-4-4 (EFT)
	IEC61000-4-5 (Surge)
	IEC61000-4-6 (CS)
IEC61000-4-8 (Magnetic Field)	
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27

Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	IEC 61000-6-2 IEC 61000-6-4
MTBF	>100,000 hours
Warranty	5 Years

Features with star(*) implies those are under development.
In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

Dimensions (unit = mm)



Ordering Information

IQ-0101GD	Industrial PoE Media Converter - 1x 10/100/1000T(x) + 1x 100/1000F(x) SFP Slot - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
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Optional Accessories

NDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC (metal case)
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