



- 1x 10GBASE-T Copper Ethernet port with PoE++
- Compliant with IEEE 802.3bt
- Output Power up to 95W
- 1x 10G SFP+ Slot, support either Multi-Mode or Single-Mode
- Built for harsh environments and wide temperature range application
- IP30 housing
- DIN-Rail Mounting, Optional Wall Mounting



Specifications

Technology

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

Processing Type	Store and forward
------------------------	-------------------

Interface

RJ45 Port	1x 100M/1G/2.5G/5G/10GT(x) with PoE+, auto negotiation speed duplex mode, auto MDI/MDI-X
------------------	------------------------------------------------------------------------------------------

Fiber Port	1x 10G SFP+ Slot
-------------------	------------------

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
--------------------------	---------------------------------------------------------------------------------------

Connection	1x removable 4-contact terminal block
-------------------	---------------------------------------

Power Consumption	0.17A@54VDC without PD load
--------------------------	-----------------------------

PoE Power Budget	Max. 95W for PD consumption
-------------------------	-----------------------------

Protection	Overload Current Protected, Reverse Polarity Protected
-------------------	--------------------------------------------------------

Mechanical Construction

Enclosure	SECC
------------------	------

Protection Class	IP30
-------------------------	------

Dimensions	29x140x98 mm (WxHxD)
-------------------	----------------------

Weight	0.6 kg
---------------	--------

Mounting	DIN-Rail Mounting
-----------------	-------------------

Environmental Limits

Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
------------------------------	------------------------------

Storage Temperature	-40°C ~ 85°C
----------------------------	--------------

Ambient Relative Humidity	5 to 95%, (Non-Condensing)
----------------------------------	----------------------------

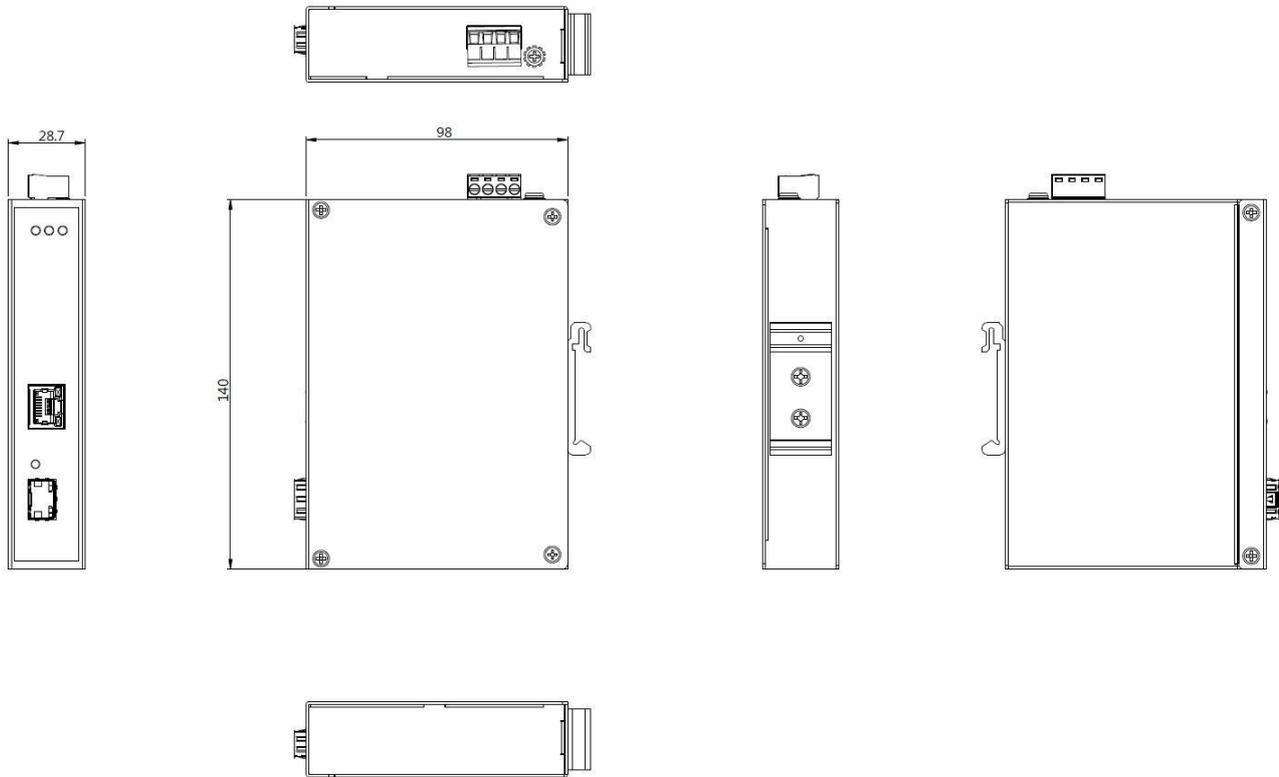
Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A
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-0101X	Industrial 10G PoE Media Converter - 1x 100M/1G/2.5G/5G/10GT(x) + 1x 10G-F SFP+ Slot - PoE: 802.3bt type 4, Max output 95W - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Optional Accessories

NDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC (metal case)
NDR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC (metal case)