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Digital **I**ntegrated **S**olutions for
Telecommunication and **C**ontrol

H8042TF-12

Super Voltage Booster -- 12V/24V/48VDC Power input, Rugged Industrial 4 port Gigabit POE Injector, 4x10/100/1000M TX PSE (802.3af/at POE+), 1x Giga TX, 1x100/1000M SFP, Boost Voltage from 12/24/48VDC to 55VDC, Voltage input range 12-56VDC, Operating temp: -40°C to +75°C

OEM/ODM Options

Black   **White**

Available Case color

H8042TF-12

Other Models also available:

H8042F-12 --- Super Voltage Booster, 12/24/48 VDC In, 4 port Giga POE+ Injector, with 4xGiga POE TX + 2x100/1000M SFP

H8042CF-12 --- Super Voltage Booster, 12/24/48 VDC In, 4 port Giga POE+ Injector, with 4xGiga POE TX +TX/SFP Combo + 100/1000M SFP

Introduction

This Super Voltage Booster --- The high power industrial POE+ is equipped with our high efficiency ColdDesign technology which allows low input voltage, such as 12/24/48VDC be boost to 55VDC to meet IEEE802.3at requirement. The ColdDesign technology will not only boost up Input Voltage, also reduce the excessive heat problem to a minimum. The input voltage can be as low as 12VDC, to be boost up to 55VDC. It is being rigorously tested for your Security, Transportation and Telco application. It will deliver 100% IEEE802.3at 30 Watts POE power to 55VDC to cover all the application. It can be used as a stand-alone device also to cascaded/daisy-chain to other devices to cover wider area through the optional SFP connection.

Specification

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE802.3x Flow Control and Back Pressure, IEEE802.3af for POE IEEE802.3at for POE+
Switch Architecture	Back-plane (Switching Fabric): 12Gbps
Data Processing	Store and Forward
Flow Control:	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	9KB
MAC address Table Size	1K
Packet Buffer Size	1M
Network Connector :	5xRJ-45 10/100/1000BaseT(X) auto negotiation, 4 Giga POE+ 802.3at/af PSE port Auto MDI/MDI-X function, Full/Half duplex 1x SFP 100/1000M BaseX
Network Cable	UTP/STP above Cat.5e Cable
	EIA/TIA-568 10-ohm (100m)
	Fiber Cable (Multi-mode):50/125um,62.5/125um Fiber Cable (Single-mode): 9/125um
Protocol	CSMA/CD
LED	PW1(Power 1) Green, PW2(Power 2) Green, ERR(Fault) Amber,
	TX/RJ-45 port: LNK (Link/Active) Green, SPD(Speed) 10/100(OFF) ,1000 (Green)
	SFP Fiber Per port: Link (Green) Active Flash

DIP Switch	DIP 1: OFF: Port 5 TX OFF
	          ON: Port 5 TX ON (DEFAULT)
	DIP 2: OFF: SFP 1000M (DEFAULT)
	          ON: SFP 100M

Reserve polarity protection	Present
Overload current protection	Present
Power Supply	Redundant Dual DC 12V-56V Power Input
Power Consumption	5.76W@12/24/48 VDC full load, Without POE

Alarm Relay Contact

POE power

Housing Dimension