Product Specification

Industrial Unmanaged Switch – DIN rail / Wall mounting options

(8) 10/100/1000Base-T
(2) 100/1000Base-X SFP slots

Overview

aTrian industrial switches can efficiently do the conversion between 10/100/1000M Ethernet electrical port and fiber port, automatically compatible with half / full duplex mode. It can carry out long- distance data and video signal transmission via optical fiber, which is convenient for network upgrading and flow control. Adopt international advanced chipset and design to ensure the stability. Ultra-low transmission delay and line speed forwarding ability, it can realize flexible Ethernet expansion even in harsh environment.

Key Features

- **Switching Bandwidth:** 20 Gbps
- **Frame Size:** 10 Kbytes
- **MAC Address:** 16 K
- **Transmission Delay:** < 10 µs
- **Temperature:** -40~+85°C (Industrial)
- **Power Inputs:** Dual power supply inputs
- **IP Rate & Housing:** IP40, Aluminum alloy

Regulatory Compliance

aTrian Communication Technologies media converters comply with EMC, EMI, EMS, Shock, Freefall, Vibration, Railway Traffic standards and certifications.

Technical Specifications

General Parameters	Symbol	Min.	Typical	Max.	Unit
Storage Temperature	Ts	-40		+95	°C
Operating Temperature	Tc Industrial	-40		+85	°C
Relative Humidity (Non-Condensing)	R_{HNC}	5		95	%
Power Supply Voltage	Vcc	12	54	56	V
	V_{MIN} PoE 15.4 W	-			V
	V_{MIN} PoE 30 W	-			V
PoE Power Budget	P_{MAX}	-			W
Power Consumption (Without PoE)	P_C			8	W
Power Inputs	P_{IN}		Dual, Reverse Polarity Protection Terminal Block		
IP Rate & Housing			IP40, Aluminum Alloy		
Dimension	D		138x107x45		mm
Weight	W			0.48	Kg

Ports	Symbol	Min.	Typical	Max.	Unit
Copper Ports 10/100/1000	Cu		8		unit
PoE Ports	Cu PoE		-		unit
SFP Ports 100/1000	SFPp		2		unit

Hardware Performance	Symbol	Min.	Typical	Max.	Unit
Processing Type	P_T		Store & Forward		
Switching Capacity	S_C			20	Gbps
Frame Size	J_F			10	KBytes

Certifications	Parameters	Value
Regulatory Compliance	EMS	IEC 61000-4-2 Level 4 (8K/15K), IEC 61000-4-3 Level 3 (10V/m), IEC 61000-4-4 Level 3 (1V/2V), IEC 61000-4-5 Level 3 (4KV/2KV) IEC 61000-4-6 Level 3 (10V/m), IEC 61000-4-8 Level 4 (30A/m)
	EMI	FCC Part 15 Class A (EN61000-3-2, EN61000-3-3, EN61000-6-4, EN55022)
	Safety	CE
	Railway Traffic	EN50121-4
Mechanical Stability	Vibration	IEC 60068-2-6
	Shock	IEC 60068-2-27
	Freefall	IEC 60068-2-32 (0.5 mts)

Ordering Information

Part Number	Description
AT800-IDU-8GT2GS-A	Industrial DIN Rail Managed Switch 8 (10/100/1000) RJ45 2 (100/1000) SFP ports
AT800-WMK	Wall Mounting Kit

Warranty

FIVE years of limited warranty for products sold directly by aTrian Technologies, unless special agreements have been set. Warranty period start from the ship date and will be only valid for the original customer who bought the product. If you have purchased the product from a reseller you must contact him directly. RMA Form and full warranty details are available on our website.