

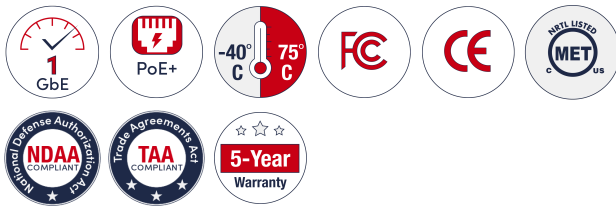
FNP-0500G-T

5 PORT FLAT MOUNT INDUSTRIAL HARDENED GIGABIT POE ETHERNET SWITCH



FEATURES

- Compact Industrial Grade Design
- Support 5*10/100/1000Tx RJ45 with 4*IEEE 802.3af/at PoE+ (PSE: 30W/port)
- Support 120W Total PoE Power with 56VDC Power Input
- Power Reverse Polarity Protection
- Overload Current Protection
- 48~56VDC Dual Redundant Power Input
- IP30 Rugged Metal Case Design
- DIN-Rail or Wall Mountable
- Operating Temperature: -40°C to 75°C
- 5-Year Warranty



INTRODUCTION

Antaira Technologies' FNP-0500G-T industrial 5-port PoE switch is engineered for optimal performance in IP surveillance, traffic monitoring, and diverse industrial applications. Its distinctively flat, lightweight, and compact form factor renders it exceptionally suitable for space-constrained environments, including shallow cabinets and small enclosures. The switch is furnished with four 30W Power Sourcing Equipment (PSE) ports, capable of supplying up to 120 Watts of power to Powered Devices (PDs). It can function as an independent unit for surveillance applications in vehicular contexts, such as buses, trucks, and other transportation modalities. This product has undergone rigorous testing to ensure its suitability for demanding security, transportation, and telecommunications deployments.

SPECIFICATIONS

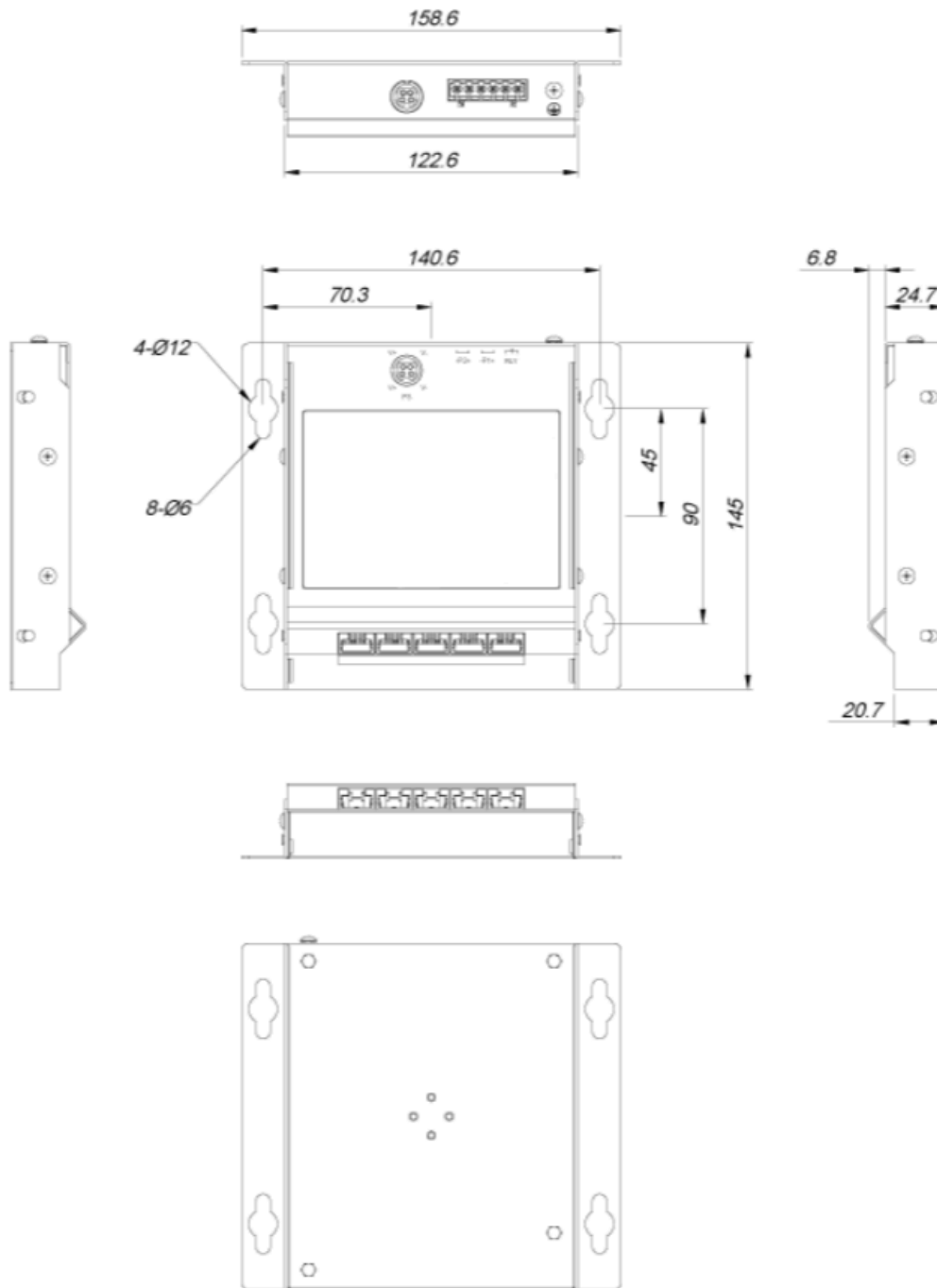
Hardware Specifications

Part Number	Total Ports	RJ45 GE	30W PoE+	PoE Budget	Power Consumption	Power Input	Operating Temp.
FNP-0500G-T	5	5	4	120W @ 56VDC 100W @ 48VDC	5W @48VDC full load, without PoE	48~56VDC Redundant Dual	-40 to 75°C -40 to 167°F

Physical Specifications

Part Number	Dimensions	Dimensions	Weight (Unit)	Weight	Mounting	PoE LED
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	(W x H x D)	(W x H x D) (with brackets)		(Shipping)		Indicator
FNP-0500G-T	120.6 x 145 x 31.5mm 4.75 x 5.71 x 1.24in	158.6 x 145 x 31.5mm 6.25 x 5.71 x 1.24in	0.45kg 1.00lb	0.50kg 1.10lb	DIN-Rail Wall Mount	Yes



Standards

Part Number	IEEE Standards
FNP-0500G-T	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-T Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3x Flow Control and Back Pressure IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet plus

Switch Properties

Specification		Specification	
Switch Architecture	Back-Plane (Switching Fabric): 10Gbps	Jumbo Frame	9.0Kbytes
Processing Type	Store and Forward	MAC Table Size	2K
Flow Control	IEEE 802.3x flow control, back pressure flow control	Overload Current Protection	Present
Packet Buffer	1Mbit	Reverse Polarity Protection	Present
Protocol	CSMA/CD	Alarm Relay Contact	1A @24VDC

Compliance Specifications

Safety	MET (complies with UL 60950-1) LVD (EN 62368-1)
EMC	CE, FCC, EN 55032/35
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2,4,5
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-32
Storage Temperature	-40 to 85°C
Ambient Relative Humidity	5% to 95%, (non-condensing)
Made in Taiwan	NDAA / TAA Compliant
Warranty	5 Years

Mean Time Between Failures (MTBF)

Part Number	MTBF
FNP-0500G-T	454,556 hrs. at 50°C

ORDERING INFORMATION

Switch Models

Part Number	Description
FNP-0500G-T	Hardened Industrial 5-Port Gigabit Flat Ethernet PoE Switch, w/5*10/100/1000TX RJ45 with 4*PoE+ (PSE: 30W/Port); EOT: -40°C to 75°C

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