

GNP-0500G(-T)

5-PORT GIGABIT UNMANAGED POE+ ETHERNET SWITCH



FEATURES

- 5*10/100/1000 with 4*IEEE 802.3af/at PoE+ (30W/Port)
- Support 90W Total PoE Power with 56VDC Power Input
- DIN-Rail or Wall Mountable
- Standard Operating Temperature: -10°C to 70°C
- Extended Operating Temperature [-T]: -40°C to 75°C
- TAA / NDAA Compliant
- 5-Year Warranty



INTRODUCTION

Antaira Technologies' GNP-0500G Series is an ultra-compact, rugged industrial 5-port Gigabit Ethernet switch featuring four 30W PoE PSE ports. Designed for demanding environments, including hazardous industrial sites and centralized control stations, the GNP-0500G Series delivers reliable performance in a slim, space-saving form factor. Its compact design makes it well suited for industrial automation, IP surveillance, traffic monitoring, security, transportation, telecom, and other space-constrained applications requiring dependable network connectivity.

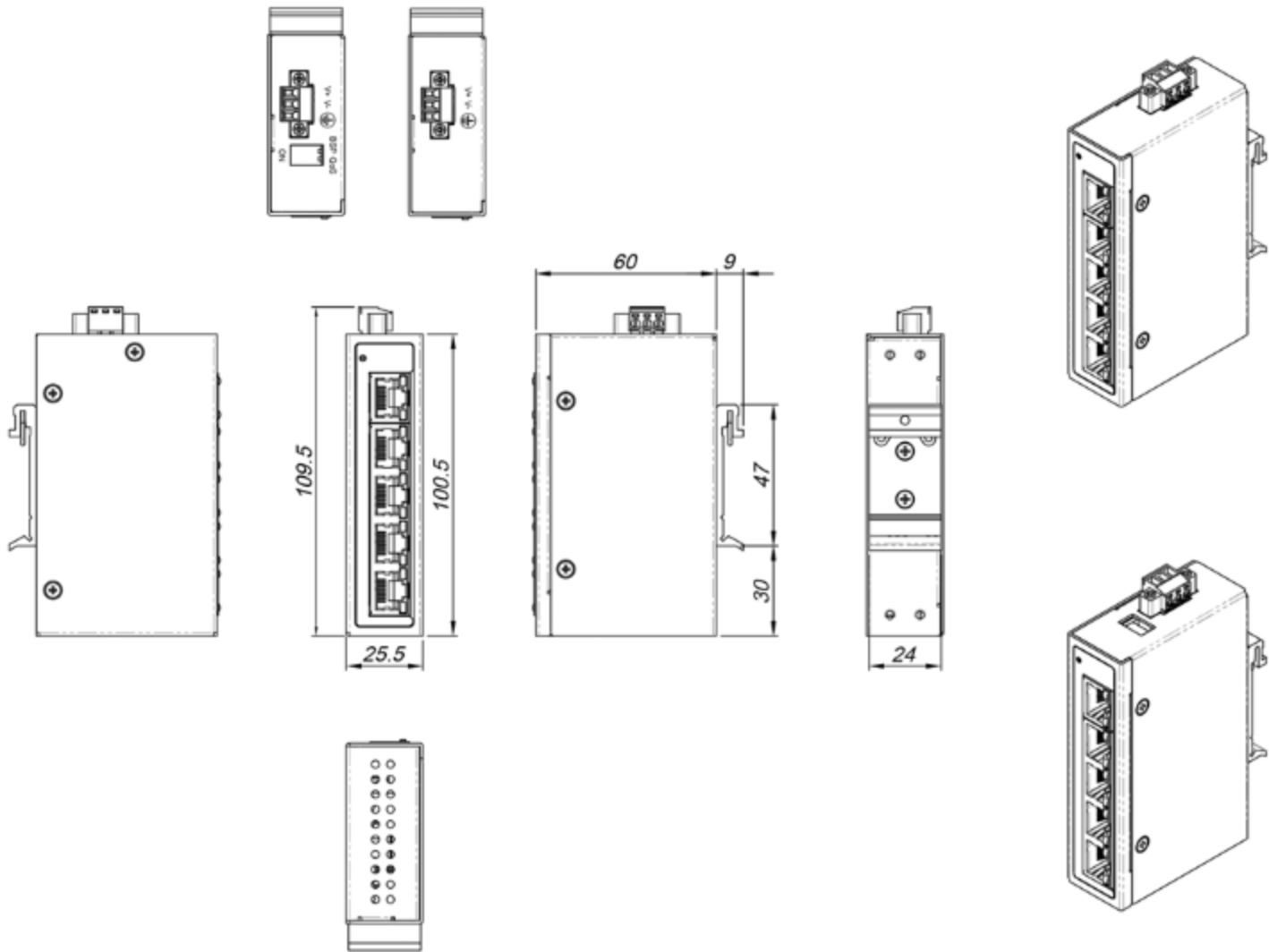
SPECIFICATIONS

Hardware Specifications

Part Number	Total Ports	RJ45 1G	30W PoE+	PoE Budget	Power Consumption	Power Input	Operating Temperature
GNP-0500G GNP-0500G-T	5	5	4	90W with 56VDC input	3.36W @48VDC full load without PoE	48-56VDC	STD: -10°C to 70°C (14 to 158°F) [-T]: -40 to 75°C (-40 to 167°F)

Physical Specifications

Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Housing	Mounting	PoE LED Indicator
GNP-0500G GNP-0500G-T	25.5 x 100.5 x 60mm 1.0 x 3.96 x 2.36in	0.25kg 0.55lb	0.32kg 0.70lb	Metal, IP30	Wall Mount, DIN-Rail	Yes



Standards

Part Number	IEEE Standards
GNP-0500G GNP-0500G-T	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX 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 IEEE 802.1p Class of Service

Switch Properties

Switch Architecture	Back-plane (Switching Fabric): 10Gbps
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Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	9KB
MAC Address Table Size	2K
Packet Buffer Size	1Mbits
Network Connector	5*RJ45 10/100/1000BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex 4*10/100/1000Mbps 802.3af/at PSE ports
Network Cable	UTP/STP Cat.5e or above cable EIA/TIA-568 (100m)
Protocol	CSMA/CD
LED	PWR, RJ45 Port: LNK and PoE
DIP Switch	Broadcast Storm Protection (BSP) and Quality of Service (QoS)
Reverse Polarity Protection	Present
Overload Current Protection	Present
Removable Terminal Block	3-Pin Terminal block Wire range: 1.5mm ² Solid wire (AWG): 16~28 Stranded wire (AWG): 16~28 Torque: 3lb-In/0.2Nm Wire strip length: 6~7mm

Compliance Specifications

Safety	MET (Complies with UL 62368-1) LVD (EN 62368-1)
EMC	CE (EN 55032 / EN 55035), FCC
EMI	FCC Part 15 Subpart B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-31
Storage Temperature	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5% to 95%, (non-condensing)
Country of Origin	Made in Taiwan, TAA/NDAA Compliant
Warranty	5 Years

Mean Time Between Failure (MTBF)

GNP-0500G	546,873.0716 hrs.
GNP-0500G-T	546,873.0716 hrs.

ORDERING INFORMATION

Switch Models	
Part Number	Description
GNP-0500G	5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100Tx (30W/Port) + 1*10/100Tx
GNP-0500G-T	5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100Tx (30W/Port) + 1*10/100Tx; EOT: -40~75°C

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Specifications are subject to change without notice and without incurring any obligation.