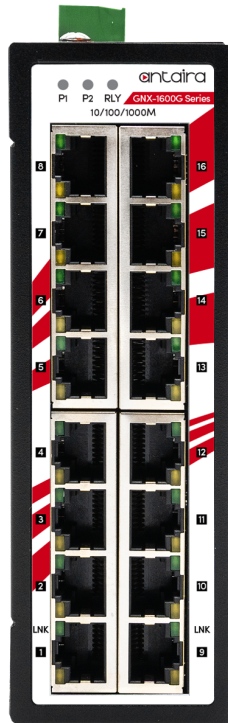


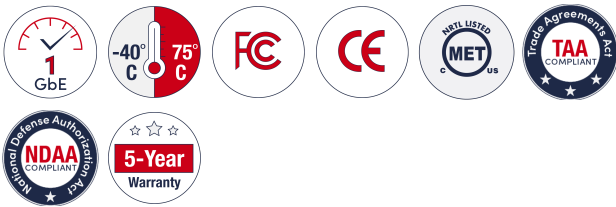
GNX-1600G(-T)

16-PORT GIGABIT UNMANAGED ETHERNET SWITCH



FEATURES

- 16*10/100/1000 RJ45
- Compact Form Factor
- 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' GNX-1600G is an ultra-compact, rugged industrial 16-port Gigabit Ethernet switch designed for reliable performance in demanding environments. Featuring a slim, space-saving housing and wide-range VDC power input, the GNX-1600G is well suited for hazardous industrial sites, centralized control stations, and other space-constrained installations. Its compact form factor makes it an ideal solution for industrial automation, IP surveillance, traffic monitoring, security, transportation, telecom, and a wide range of other industrial networking applications.

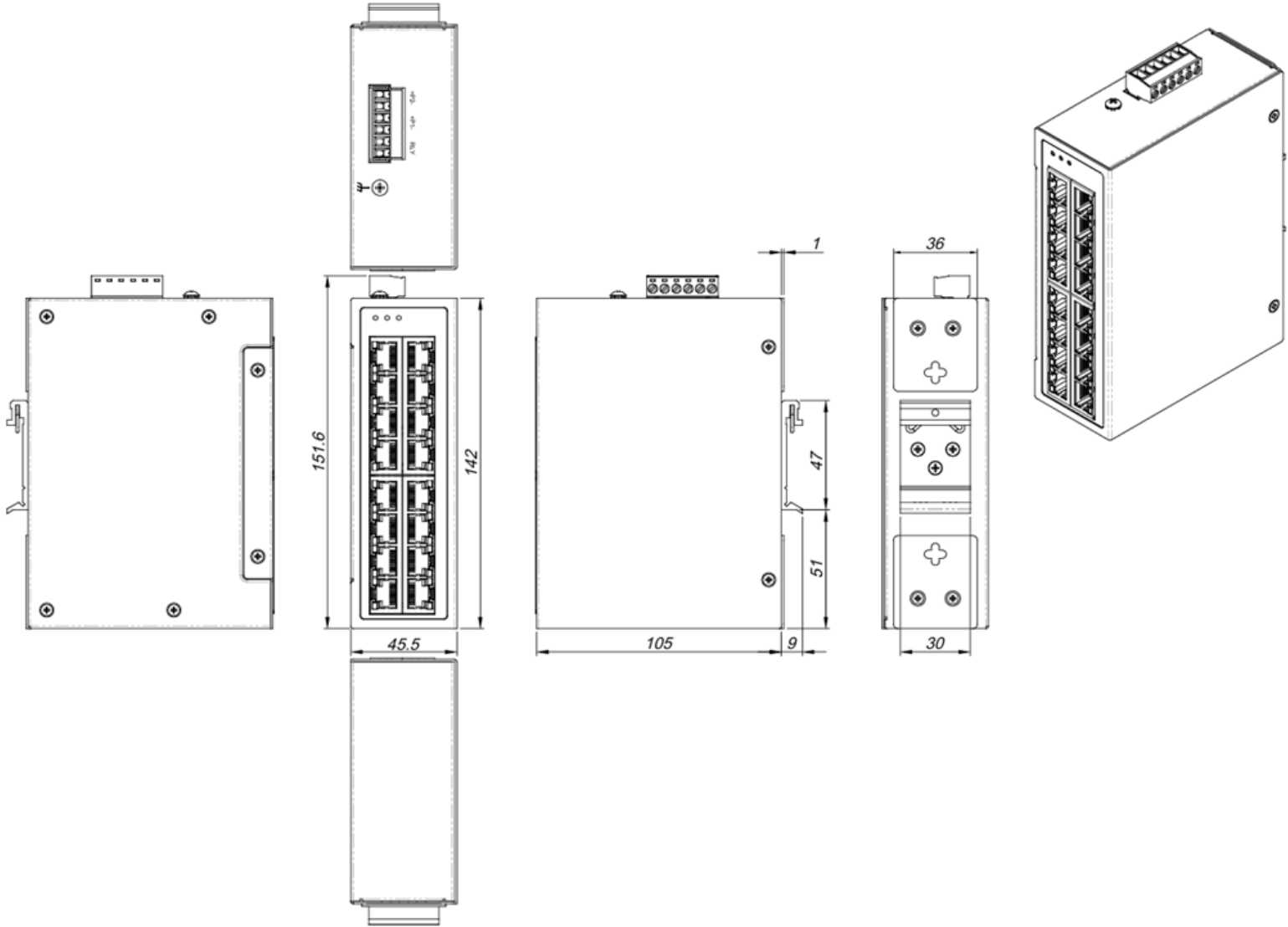
SPECIFICATIONS

Hardware Specifications

Part Number	Total Ports	RJ45 1G	Power Consumption	Power Input	Operating Temperature
GNX-1600G GNX-1600G-T	16	16	10.64W @56VDC full load	Dual Redundant 12-56VDC	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
GNX-1600G GNX-1600G-T	45.5 x 142 x 105mm 1.79 x 5.59 x 4.13in	0.48kg 1.05lb	0.64kg 1.40lb	Aluminum, IP50	DIN-Rail, Wall Mount



Standards

Part Number	IEEE Standards
GNX-1600G GNX-1600G-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

Switch Properties

Switch Architecture	Back-plane (Switching Fabric): 32Gbps
Data Processing	Store and Forward

Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	9KB
MAC Address Table Size	8K
Packet Buffer Size	4.1Mbits
Network Connector	16*RJ45 10/100/1000BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex
Network Cable	UTP/STP Cat.5e or above cable EIA/TIA-568 (100m)
Protocol	CSMA/CD
LED	PWR1, PWR2, RJ45 Port: LNK/ACT
Reverse Polarity Protection	Present
Overload Current Protection	Present
Alarm Relay Contact	Relay outputs with current carrying capacity of 1A@24VDC Relay in open circuit mode when 2 powers are connected, in short circuit mode when only one power supply is connected
Removable Terminal Block	6-Pin Terminal block Dual Redundant Power, Alarm Relay Contact Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG): 12~24 Stranded wire (AWG): 12~24 Torque: 5lb-In/0.5Nm/0.56Nm Wire strip length: 7~8mm

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)

GNX-1600G	524,084.348 hrs.
GNX-1600G-T	524,084.348 hrs.

ORDERING INFORMATION

Switch Models	
Part Number	Description
GNX-1600G	16-Port Industrial Gigabit Unmanaged Ethernet Switch
GNX-1600G-T	16-Port Industrial Gigabit Unmanaged Ethernet Switch; EOT: -40~75°C

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