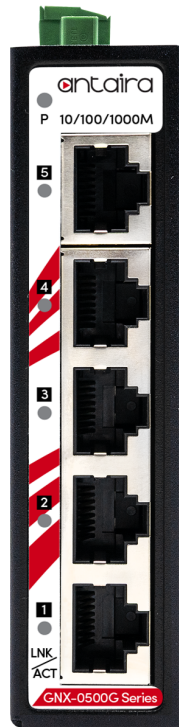


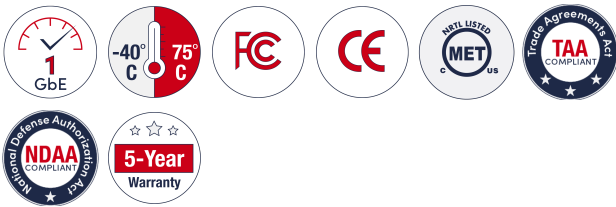
# GNX-0500G(-T)

## 5-PORT GIGABIT UNMANAGED ETHERNET SWITCH



### FEATURES

- 5\*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-0500G is an ultra-compact, rugged industrial 5-port 10/100/1000Mbps Ethernet switch designed for reliable performance in demanding environments. Featuring a slim, space-saving housing and wide-range VDC power input, the GNX-0500G 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.

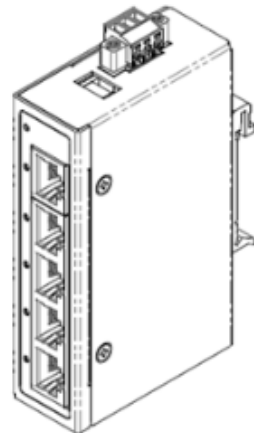
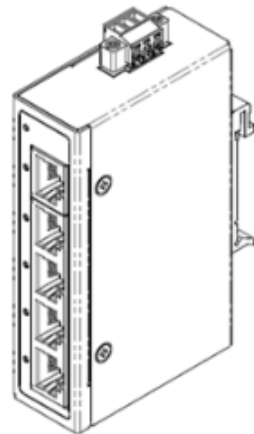
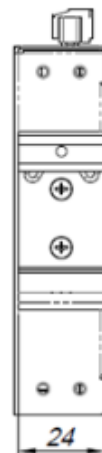
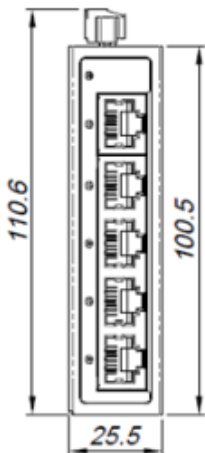
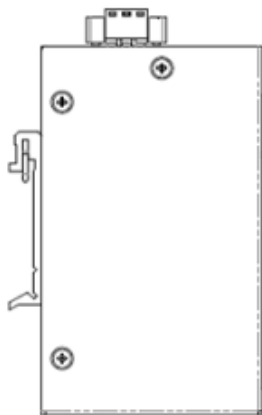
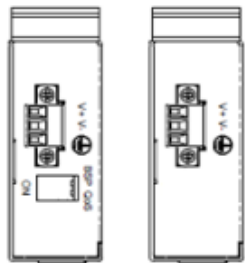
### SPECIFICATIONS

#### Hardware Specifications

| Part Number              | Total Ports | RJ45 1G | Power Consumption       | Power Input | Operating Temperature                                                |
|--------------------------|-------------|---------|-------------------------|-------------|----------------------------------------------------------------------|
| GNX-0500G<br>GNX-0500G-T | 5           | 5       | 1.232W @48VDC full load | 9.6-60VDC   | STD: -10°C to 70°C (14 to 158°F)<br>(-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-0500G<br>GNX-0500G-T | 25.5 x 100.5 x 60mm<br>1.0 x 3.96 x 2.36in | 0.23kg<br>0.50lb | 0.32kg<br>0.70lb  | Metal, IP30 | DIN-Rail, Wall Mount |



# Standards

| Part Number              | IEEE Standards                                                                                                                                                                                 |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GNX-0500G<br>GNX-0500G-T | IEEE 802.3 10BASE-T Ethernet<br>IEEE 802.3u 100BASE-TX Fast Ethernet<br>IEEE 802.3ab 1000BASE-T Gigabit Ethernet<br>IEEE 802.3x Flow Control and Back Pressure<br>IEEE 802.1p Class of Service |

## Switch Properties

|                             |                                                                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch Architecture         | Back-plane (Switching Fabric): 10Gbps                                                                                                                               |
| 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                                                                              |
| Network Cable               | UTP/STP Cat.5e or above cable<br>EIA/TIA-568 (100m)                                                                                                                 |
| Protocol                    | CSMA/CD                                                                                                                                                             |
| LED                         | PWR, RJ45 Port: LNK/ACT                                                                                                                                             |
| 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<br>Wire range: 1.5mm <sup>2</sup><br>Solid wire (AWG): 16~28<br>Stranded wire (AWG): 16~28<br>Torque: 3lb-In/0.2Nm<br>Wire strip length: 6~7mm |

## Compliance Specifications

|                           |                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Safety                    | MET (Complies with UL 62368-1)<br>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<br>IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV<br>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-0500G   | 556,710.3384 hrs. |
| GNX-0500G-T | 556,710.3384 hrs. |

### ORDERING INFORMATION

#### Switch Models

| Part Number | Description                                                              |
|-------------|--------------------------------------------------------------------------|
| GNX-0500G   | 5-Port 10/100/1000Tx Industrial Unmanaged Ethernet Switch                |
| GNX-0500G-T | 5-Port 10/100/1000Tx Industrial Unmanaged Ethernet Switch; EOT: -40~75°C |

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