



NEO WAVE®

Overview:

The **NW-IS-16TX** is a high-performance 16-port 10/100 Base-TX unmanaged industrial Ethernet switch. Designed with a fanless cooling system, wide temperature tolerance, and high protection levels, it ensures durability in extreme conditions. With enhanced resistance to temperature fluctuations and built-in lightning protection, it guarantees reliable and secure industrial networking.

Feature:

- **Unmanaged Industrial Switch** – Plug-and-play operation.
- **Fanless Cooling Design** – Ensures silent and efficient heat dissipation.
- **Wide Operating Temperature Range** – Suitable for extreme environments.
- **High Protection Level** – Resistant to dust, water, and harsh conditions.
- **Lightning Protection** – Enhances network stability and security.

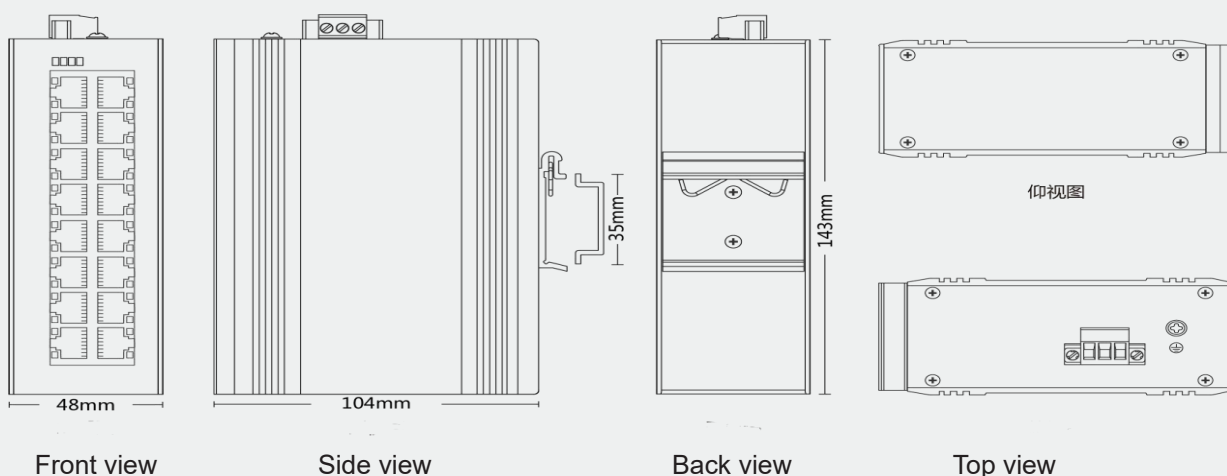
NW-IS-16TX



Applications:

- **Rail Transit** – Stable network communication.
- **Safe City** – Supports surveillance systems.
- **Smart Transportation** – Enhances traffic management.
- **Outdoor Surveillance** – Reliable for security cameras.
- **Harsh Environments** – Durable in extreme conditions.

Dimensions :





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Specifications:

Provider Mode Ports

| | |
|-----------------|---|
| Fixed port | 16*10/100Base - TX |
| Power interface | Phoenix terminal, redundant dual power supply |
| LED Indicators | PWR, Link/ACT LED |

Cable Type & Transmission Distance

| | |
|--------------|---------------------|
| Twisted-pair | 0-100m (CAT5e,CAT6) |
|--------------|---------------------|

Mechanical Dimensions

| | |
|---------------------|--------------|
| Product size | 143X104X48mm |
| Installation Method | DIN rail |
| Weight | 0.5 around |

Electrical Specifications

| | |
|-------------------------|-----------------|
| Input voltage | DC12 58V |
| Total Power consumption | Full load <10W. |

Layer 2 Switching

| | |
|------------------------|-------------------|
| Switching capacity | 32G |
| Packet forwarding rate | 2.38Mpps |
| MAC address table | 8K |
| Buffer | 2M |
| Forwarding delay | <10us |
| MDX/MIDX | Support |
| Jumbo Frame | Support 10 KBytes |

Network Topology

| | |
|---------------|-------------|
| Ring topology | Unsupported |
| Star topology | Support |
| Bus topology | Support |
| Tree Topology | Support |

Authentication

| | |
|----------------|--------------------|
| Authentication | CCC, CE, FCC, RoHS |
|----------------|--------------------|

Accessories

| | |
|-------------|--|
| Accessories | Device, Terminals, Specification,Certificate power adapter(optional) |
|-------------|--|

Environment

| | |
|-----------------------|--------------------------|
| Operating temperature | -40°C~+85 °C |
| Storage temperature | -40°C~+85°C |
| Relative humidity | 5%~95% non-condensing |
| Thermal methods | Fanless, natural cooling |
| MTBF | 100,000 hours |

EMC & Ingress Protection

| | |
|-----------------------------------|--|
| IP Level | IP40 |
| Surge protection of Power | IEC 61000-4-5 Level X (6KV/6KV) (8/20us) |
| Surge protection of Ethernet port | IEC 61000-4-5 Level X (4KV/4KV) (10/700us) |
| RS | IEC 61000-4-3 Level 3 (10V/m) |
| EFI | IEC 61000-4-4 Level 3 (1V/2V) |
| CS | IEC 61000-4-6 Level 3 (10V/m) |
| PFMF | IEC 61000-4-8 Level 4 (30A/m) |
| DIP | IEC 61000-4-11 Level 3 (10V) |
| ESD | IEC 61000-4-2 Level 4 (8K/15K) |
| Free fall | 0.5m |