



NEO WAVE®

Overview:

NW-IS-4GX24TX is a high-performance Industrial Ethernet Switch with **4× 1000Base-X and 24× 10/100Base-TX** ports, designed for reliability and efficiency. **Featuring** a fanless cooling system, wide temperature tolerance, and high protection level, it ensures durability in extreme conditions.

With lightning protection and enhanced network stability, it delivers secure and uninterrupted industrial communication.

Feature:

- Fanless Design:** Efficient cooling without noise.
- Wide Temperature Range:** Operates reliably in extreme temperatures.
- High Protection Level:** Resistant to dust, water, and physical damage.
- Enhanced Reliability:** Ensures stable network performance.
- Industrial-Grade Quality:** Built for demanding environments.

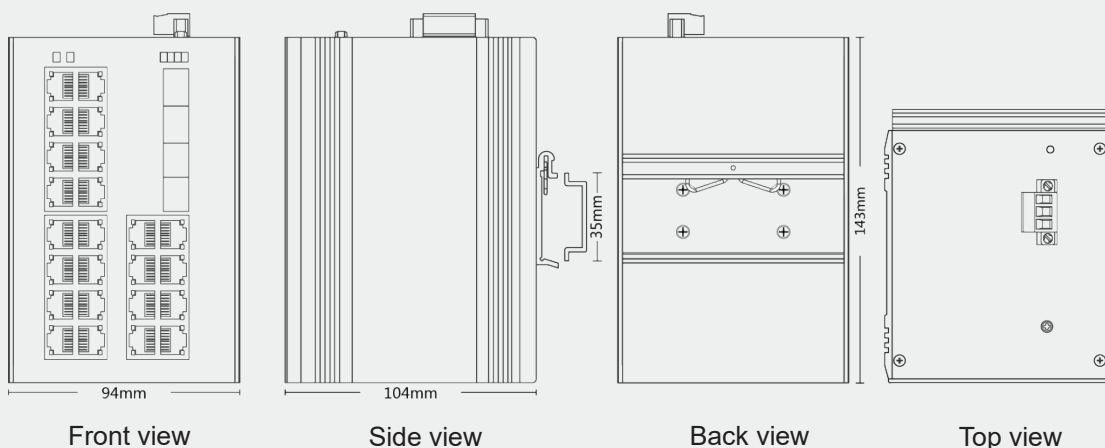
NW-IS-4GX24TX



Applications:

- Rail Transit** – Reliable network for railway systems.
- Smart Cities** – Seamless connectivity for urban infrastructure.
- Intelligent Transportation** – Supports traffic management.
- Outdoor Surveillance** – Stable networking for security systems.
- Harsh Environments** – Withstands extreme conditions.

Dimensions :





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Specifications:

Provider Mode Ports

Fixed port	4*1000 Base-X, 24*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)
Monomode optical fiber	20/40/60/80/100KM
Multimode (optical) fiber	550m

Mechanical Dimensions

Product size	94*104*143mm
Installation Method	DIN rail
Weight	1KG around

Electrical Specifications

Input voltage	DC12-58V
Total Power consumption	<26W

Layer 2 Switching

Switching capacity	68G
Packet forwarding rate	50.59Mpps
MAC address table	16K
Buffer	12M
Forwarding delay	<10us
MDX/MIDX	Support
Flow control	Support
Jumbo Frame	Support 10K Bytes

Network Topology

Ring topology	Unsupported
Star topology	Support
Bus topology	Support
Tree Topology	Support
Hybrid topology	Support

Authentication

Authentication	CCC, CE, FCC, RoHS
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Accessories

Accessories	Device, Terminals, Specification, Certificate power adapter(optional)
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Environment

Operating temperature	-40°C~+75°C The device is tested for 4 hours at temperatures in 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

Optional model

NW-IS-4GX24TX	4*1000Mbps SFP Port 24*10/100Mbps RJ45 Port
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