

Overview

The **NW-ISM-05GT-C** is a 5-port managed industrial Gigabit Ethernet switch designed for harsh environments. It features fanless cooling, wide temperature tolerance (-40°C to +75°C), and high protection (IP40), ensuring reliable performance in demanding industrial applications. With 10/100/1000Base-T ports, wide DC input (12~58V), and robust lightning/ESD protection (8KV-15KV), it delivers stable connectivity while complying with RoHS, FCC, and CE standards.

Applications

- Rail & Metro Systems – Reliable networking for trains and tunnels.
- Smart City & Security – Surveillance and traffic management.
- Outdoor Monitoring – Weather-resistant operation.
- Industrial Automation – Factories, oil/gas, and power plants.
- Intelligent Transportation – Roadside and traffic control networks.

Features

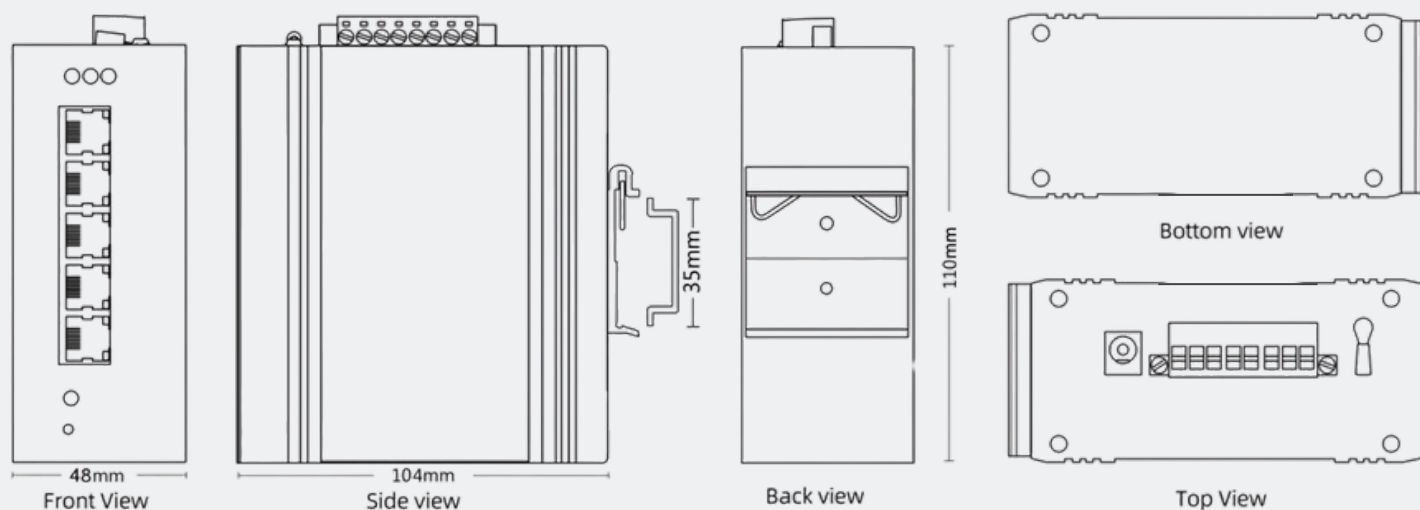
- 12-58V DC Input
- -40°C to +75°C Operation
- IP40 Fanless Design
- RoHS/FCC/CE Certified
- 8-15KV ESD Protection
- 100K Hours MTBF

NW-ISM-05GT-C

L2 Managed Industrial Ethernet Switches



Dimensions



Specifications

Provider Mode Ports

Fixed port

5*10/100/1000 Base—T

Management Port

Business Port Management

Power interface

Phoenix terminal+DC socket, three power redundancy

LED Indicators

P1,P2,P3, Link/ACT LED

Cable Type & Transmission Distance

Twisted-pair

0-100m (CAT5e,CAT6)

Specifications

Network Topology

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

Electrical Specifications

Input voltage	DC12-58V
Total Power consumption	<5W

Management

User Management	Support
Up grade Firmware	Support
Configuration File Download/Upload	Support IPv4/IPv6
WEB management	Support

Environment

Operating temperature	-40°C~+75°C
Storage temperature	-40°C~+85°C
Relative humidity	5%~95% (non-condensing)
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

Specifications

Layer 2 Switching

Switching capacity	10G
Packet forwarding rate	7.44Mpps
MAC address table	2K
Buffer	2Mbit
Forwarding delay	<10us
MDI/MDIX	Support
VLAN	32 strip
Ethernet channel	Only supports static
Interface Speed	Support
Duplex Mode	Support
Flow Control	Support
Jumbo frame	Support 9Kbytes
DHCP Client	Support
Port Statistics	Support
EEE	Support
Loop inspection/Loop prevention	Support
Spanning tree	Support STP/RSTP/MSTP
IGMP Snooping	Support
Restore factory settings	Support

Specifications

Mechanical Dimensions

Product size 48*104*110mm

Installation Method DIN-rail

Weight 0.45KG

EMC&INGRESS PROTECTION

Surge protection of Power Common mode 4KV, differential mode 2KV

Surge protection of Ethernet port Common mode 4KV, differential mode 2KV

ESD 0.45KG

Free fall 0.5m

Convergence

QoS Support port speed limit
Support export queue speed limit

Specifications

Standards Compliance

Standards Compliance

IEEE 802.3 10BASE-T
 IEEE 802.3u 100BASE-TX
 IEEE 802.3ab Gigabit 1000T
 IEEE 802.3x flow control and back pressure
 IEEE 802.1D Spanning Tree Protocol
 IEEE 802.1w Rapid Spanning Tree Protocol
 IEEE 802.1s Multiple Spanning Tree Protocol
 IEEE 802.1p Class of Service
 IEEE 802.1Q VLAN tagging
 RFC 791 IP
 RFC 2068 HTTP

Authentication

Authentication

CE/FCC/RoHS

Accessories

Accessories

Device, Terminals, Specification, Certificate
 Adapter(optional)