TECHAYA

RUGGED ENVIRONMENT SOLUTIONS

24-port 10/100Base-T/TX +
2 optional Gigabit ports

ICE9024 SERIES

ICE9024 Series advanced SNMP managed Ethernet switch with 24 10/100BaseTX ports and 2 optional Gigabit expansion ports. The ICE9024 Series was designed for rugged environments and function at temperature range of -34C° to 74C°.

ICE9024 Series 19" rack-mount switches provide full wire speed; support web based management and advanced features such as RMON, IGMP snooping, 802.1Q VLAN tagging, 802.1D spanning tree, port mirroring and more. The advanced management features together with the modularity and the ability to combine 10/100/1000 fiber and copper ports make the ICE9024 Series a powerful solution for enterprise and for FTTx projects especially where out door infrastructure is needed.

Key Features

- 24 ports for 10/100Base-TX + up to 2 Gigabit ports with SC connectors
- Multi-Mode, Single-Mode, or 1000base TX
- Auto-negotiation for speed and duplex modes on TX port
- True non-blocking architecture and full wire-speed forwarding rate
- Spanning Tree and Rapid Spanning Tree alogorithm (IEEE 802.1D/W)
- Provides 4MB Memory Buffer
- Back-pressure and IEEE 802.3x compliant flow control
- Supports 12K MAC address and IEEE 802.1Q VLAN Tagging
- MAC-based Trunking, up to 4 groups of 4 ports
- Supports IEEE 802.1p (Quality of Service) for 4-level transmission priorities
- Supports IP Multicast Filtering through IGMP Snooping
- Supports RMON, SNMP, Web-based management, Telnet and TFTP
- Supports port-mirroring
- Front panel port status LEDs and reset button
- Standard 19" rack-mountable size, one-unit-height (1U)
- NEMA TS-1/2 Certified

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Specifications

Technical Specifications

LED	Per Unit	Power status
	Per Port	100/TX, 10/RX, FDX/COL (3 LEDs)
Ethernet Standards	IEEE802.3	10Base-T
	IEEE802.3u	100Base-TX 100Base-FX
Switching Method		Store-and-forward
Forwarding Rate		14,880pps for 10Mbps
		148,800pps for 100Mbps
Cable	10Base-T	2-pair UTP Cat. 3,4,5, up to 100m (328ft)
	100Base-TX	2-pair UTP Cat. 5, up to 100m (328ft)
	100Base-FX	10/125um Single-mode fiber optic cable

Physical Specifications

AC Input	100~260VAC,47~63Hz Internal Universal PSU
Dimensions	W440mm x D235mm x H45mm (17.3"x 9.3"x 1.8")
	Standard 19"rack-mount size, one-unit-height
Input Fuse	2A
Power Consumption	-48W
Operating Temperature	-34˚C ~74˚C(-30˚F ~168˚F)
Storage Temperature	-45˚C ~93˚C (-50˚F ~200˚F)
Humidity	10%~90% non-condensing
Net Weight	3.4kg
Emission Compliance	CE &FCC

Ordering information

ICE9024	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports
ICE9025T	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports + 1 1000Base TX Gigabit
ICE9025S	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports + 1 SX Gigabit, up to 550m
ICE9025L10	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports + 1 LX Gigabit, up to 10km
ICE9025L20	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports + 1 LX Gigabit, up to 20km
ICE9026T	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports + 2 1000Base TX Gigabit
ICE9026S	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports + 2 SX Gigabit, up to 550m.
ICE9026L10	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports + 2 LX Gigabit, up to 10km.
ICE9026L20	Hardened Manageable Gigabit Ethernet Switch with 24 10/100Base-T/TX Ports + 2 LX Gigabit, up to 20km.