

NS3553-4P-1T-2S

4-Port Gigabit Ultra-PoE Industrial Managed Switch

Overview

For fast and efficient connectivity from the network edge to a backbone switch or server, the IFS® 4-Port Gigabit Ethernet Managed Switch by Interlogix features four Gigabit Ethernet ports with support for Ultra-PoE (60w) plus 2 SFP ports and a gigabit RJ45 uplink port. Both 100Base-X or 1000Base-X transmission is supported through four GBIC interfaces.

For efficient switch management, the Switch is easily programmable via a simple, yet powerful Web Interface.

Engineered for Real-time Performance

This switch is designed with a high performance non-blocking switch fabric and provides wire-speed throughput as high as 14 Gbps. The Switch classifies and prioritizes Layer 2 802.1p or Layer 3 IP TOS/DSCP traffic into four hardware queues that support strict or Weighted Round Robin (WRR) queuing algorithms. This functionality provides maximum allocation of limited network resources and guarantees best performance for real-time applications.

Full Power, Isolated per Port PoE

This Gigabit Ultra-PoE Managed Switch provides optimized deployment and safe power management to PoE edge devices such as IP Surveillance cameras, access control panels, wireless access points (WAP) and Voice over IP (VoIP). Full power PoE-Ultra (60w) is provided to all 4-ports with no power sharing, and added port circuit protection isolates and prevents power interference between ports.

Built-in Monitoring, Diagnostics and Troubleshooting Tools

The Switch can be configured to monitor a connected PD (Powered Device) status in real-time via IP ping. If a PD (IP Camera or IP Access Reader) no longer responds to a ping, the switch will cycle PoE power on the port thus rebooting the PD back to operational status. This along with built-in cable diagnostics, and support for SNMP can greatly enhance the IT administrator's trouble-shooting and management abilities.



Details

- 4-Port 10/100/1000Base-T RJ-45 with IEEE 802.3af / 802.3at / Ultra PoE (60W)
- 1-Port 10/100/1000Base-T RJ-45 uplink
- 2-Port 100/1000Base-X mini-GBIC/SFP slots, SFP type auto detection with digital diagnostics monitoring (DDM) functions.
- 1 x RS-232 console interface for basic management and setup
- Web-based, telnet, SSH, SSL and console command line management, IP address security management to prevent unauthorized intruder
- RADIUS / TACACS+ users access authentication
- Prevents packet loss with back pressure (half-duplex) and IEEE 802.3x pause-frame flow control (full-duplex) groups, out of 4K VLAN IDs
- IP-Based Access Control List (ACL), MAC-Based Access Control List, Source MAC / IP address binding
- Ingress/egress bandwidth control on each port
- Supports IGMP Snooping v1, v2 and v3, IGMP query mode for multicast media application and Multicast VLAN Registration
- Port mirroring to monitor the incoming or outgoing traffic on a particular port
- Supports LLDP to allow switch to advise its identification and capability on the LAN
- IPv4 and IPv6 IP Address / NTP / DNS management
- Cable Diagnostic technology provides the mechanism to detect and report potential cabling issues

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Technische specificaties

Algemeen

Snelle ring	Yes (ERPS)
Storm control	Broadcast, Multicast, Unicast
Beveiliging	802.1x, ACL, RADIUS, Source MAC / IP address binding
DHCP snooping	Ja
Storingsrelais uitgang	Yes, with 2x digital inputs and 2x digital outputs

Categorie

Categorie	Industrial
Management	Beheerd
Managed	Ja (Layer 3 - Limited)
PoE	Ja

Fysieke poorten

Aantal poorten	5
Type poort	Gig
Snelheid	Gigabit
PoE / PoE+	4 Port PoE/4 Port PoE+/4 Port PoE-Ultra
Glasvezelpoort	2 SFP
Ondersteunde SFP's	S20/S25 series, S30/S35 series
SFP-snelheid	100/1000

Switch prestaties

Switch fabric	14 Gbps
Doorvoer (Mpps)	10.42
MAC-tabel	8 K
Jumbo frame ondersteuning	9 K

Layer-2 functies

Management interface	Console, Web, Telnet, SNMP 1,2,3, SSH/SSL secure access
IGMP-snooping	255 Group, Snooping v1, v2, v3
IGMP-query	Ja
VLAN, QoS	256, yes
Toegangscontrolelijst	123 entries

Elektrisch

PoE-vermogensbudget	240 W
Type voeding	52 tot 56 VDC
Vermogensverbruik	282 W (Max.)

Fysiek

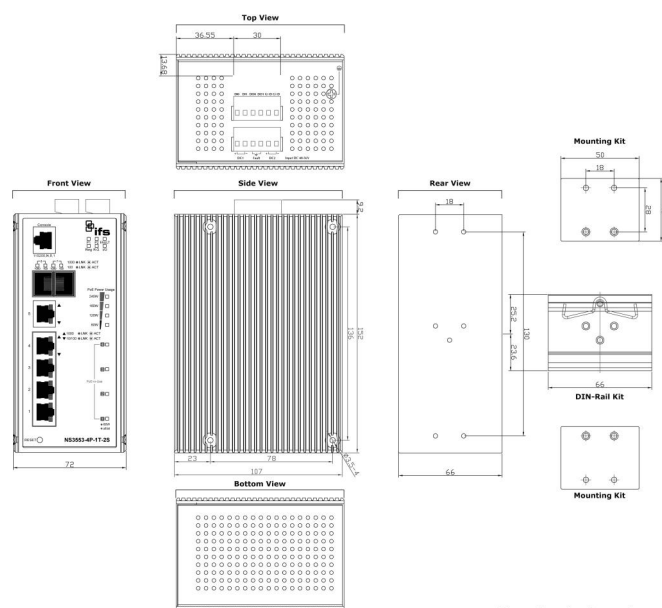
Fysieke afmetingen	72 x 107 x 152 mm
Netto gewicht	1050g
Type montage	DIN-rail, Muurmontage

Omgeving

Bedrijfstemperatuur	-40 to +75°C
Opslagtemperatuur	-40 to +75°C
Relatieve vochtigheid	5 to 95% (non-condensing)
Omgeving	Binnen

Regelgeving

IEC-standaard	IEC60068-2-27 (shock), IEC60068-2-32 (free fall), IEC60068-2-6 (vibration)
Conformiteit	CE, FCC Part 15 Class A



Dimensions (unit = mm)



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