NS3562-8P-2S-V2

8-Port + 2-SFP Industrial Gigabit Managed PoE+ Flat Wall Mount Switch

Overview

The IFS® NS3562-8P-2S-V2 is an Industrial Gigabit PoE+Managed flat form factor Switch equipped with eight 10/100/1000Mbps RJ45 ports with PoE+ (30w) capabilities and two 100/1000Mbps SFP (fiber) uplink ports. These are fully managed Layer 2+ switches providing a robust industrial hardened design that provides for rapid operational recovery in the event of a network or power system failure.

Layer 2+ Managed Switch

The IFS Industrial Gigabit Managed Switch Series supports advanced features including IEEE 802.1Q VLAN, GVRP, port link aggregation, QoS, broadcast storm control and MAC address filtering. The series also includes IGMP snooping and querying multicasting for media operations and bandwidth utilization to fit a variety of applications.

Industrial-grade Network Redundancy and Recovery

Ideal for use in implementing highly fault-tolerant ring and mesh network architectures, these switches are well suited for harsh environments such as industrial security, factory automation and intelligent transportation systems (ITS).

Robust Hardened Design

With an IP-30 rated enclosure, IFS Industrial Gigabit Managed Switches provide a high level of immunity against electromagnetic (EMI) and radio-frequency (RFI) interference typically found in industrial environments. This series of switches comply with IEC60068-2-xx standards for free-fall, shock, and vibration and operate in -40° C to 75° C temperatures found in difficult environments such as plant floors or in curbside traffic control cabinets.



Details

- Flat, wall mount form factor
- 8-port 10/100/1000Base-T with PoE+
- 2-ports SFP (fiber) 100/1000Base-X
- High-performance Switch Architecture
- Up to 20Gbps non-blocking switch fabric
- 9K bytes Jumbo frame support
- 8K MAC address table, automatic source address learning and aging
- IGMP (v1/v2/V3) Snooping, up to 255 multicast Groups with IGMP Querier mode support, and MLD (v1/v2) Snooping, up to 255 multicast Groups with MLD Querier mode support
- VLAN Support - up to 255 VLANs
- Quality of Service (QoS), 802.1p priority, 802.1Q VLAN tag, DSCP/TOS field in IP Packet
- MAC Filtering and Source IP/MAC address port-binding
- Complies with IEEE 802.3af / IEEE 802.3at Power over Ethernet / End-Span PSE and up to 8 IEEE 802.3af / 802.3at devices powered
- IP30 metal enclosure, DIN Rail and Wall Mount Design (complete with magnetic mounting kit)
- Wide operating temperature range of -40ºC ~ +75ºC

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Technical specifications

General

Fast ring	Yes (ERPS)
Storm control	Broadcast, Multicast, Unicast
Security	802.1x, ACL, RADIUS, Source MAC / IP address binding
DHCP snooping	Yes
Fault relay output	No

Category

Category	Industrial
Management	Managed (L3 Static Routing)
Managed	Yes
PoE	Yes

Physical ports

No. of ports	8
Port type	Gig
Speed	Gigabit
PoE/PoE+	8 port PoE/8 port PoE+
Fiber port	2
Supported SFPs	S30/S35 series
SFP speed	100/1000

Switch Performance

Switch fabric	20 Gbps
Throughput (Mpps)	14.88
Mac table	8 K
Jumbo frame support	9 K

Layer 2 Functions

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

Electrical

PoE power budget	220 W
Redundant power	No
Power supply type	52 to 56 VDC
Power consumption	200 W

Physical

Physical dimensions	178 x 25 x 134 mm
Net weight	640 g
Colour	Black
Material	Metal
Mounting type	DIN-rail, Wall mount
Stackable	No

Environmental

Operating temperature	-40 to +75°C
Storage temperature	-40 to -85 °C
Relative humidity	0 to 95% (non-condensing)
Environment	Indoor
IP rating	IP30

Regulatory

IEC standard	IEC60068-2-27 (shock), IEC60068-2-32 (free fall), IEC60068-2-6 (vibration)

Standards Compliance

Regulatory Standards	FCC Part 15 Class A, CE
IEEE Standards (1)	IEEE 802.3 10 Base-T; IEEE 802.3u 100 Base-TX/100Base-FX; IEEE 802.3z Gigabit SXBX/LX/LHX/ZX; IEEE 802.3ab Gigabit 1000T; IEEE 802.3x Flow Control and Back pressure;IEEE 802.3ad Port trunk with LACP; IEEE 802.1d Spanning tree protocol
IEEE Standards (2)	IEEE 802.1w Rapid spanning tree protocol; IEEE 802.1s Multiple spanning tree protocol; IEEE 802.1p Class of service; IEEE 802.1Q VLAN TaggingIEEE 802.1x Port Authentication Network Control; IEEE 802.1ab LLDP
RFC Standards	RFC 768 UDP, RFC 793 TFTP, RFC 791 IP, RFC 792 ICMP, RFC 2068 HTTP, RFC 1112 IGMP Version 1, RFC 2236 IGMP Version 2
IEC Standards	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)

Accessories

SFP (100Mbps)	S25 Series (wide-temp)
SFP (1000Mbps)	S35 Series (wide-temp)

Compatible products

Category	Reference	Description
Power Supplies	PS48VDC480W-DIN	48 VDC, 480 W, power supply with DIN rail mount

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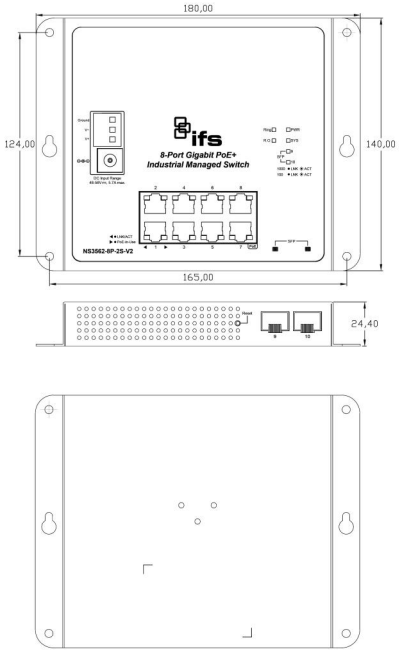

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