

DATASHEET

NS3552-8P-2S-V2

8 + 2 industrial Gigabit

MAIN FEATURES

- 8 + 2 industrial Gigabit
- Managed PoE+ switch



TECHNICAL SPECIFICATIONS

Power supply

Output Power (per-port)	Per Port 56 VDC, 350 mA. Max. 15.4 W (IEEE 802.3af), Per Port 56 VDC, 590 mA. Max. 30 W (IEEE 802.3at)
PoE power budget	260 W
Redundant power	Yes
Power supply type	12 to 48 VDC
Power consumption	320 W
Power	On/Green
Power Input 1	48 VDC
Power Input 2	48 VDC
Power and Alarm FaultConnector	6-pin removable screw terminal
Power Supplies	PS48VDC480W-DIN

Inputs / outputs

Fault relay output	Yes, with 2x digital inputs and 2x digital outputs
Alarm Fault Relay	1 A @ 24 VDC

Physical characteristics

Physical dimensions	152 x 107 x 72 mm6 x 4.21 x 2.83 in.
Net weight	1.684 kg
Colour	Black
Material	Metal
Mounting type	DIN-rail, Wall mount

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Jumbo Frame Size	9 Kbyte
Environmental characteristics	
Operating temperature	-40 to +75°C
Storage temperature	-40 to -85°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP30
Other characteristics	
Fast ring	Yes (ERPS)
Storm control	Broadcast, Multicast, Unicast
Security	802.1x, ACL, RADIUS, Source MAC / IP address binding, TACACS+
DHCP snooping	Yes
Category	Industrial
Management	Managed
Managed	Yes
PoE	Yes
No. of ports	8
Port type	Gig
Speed	Gigabit
PoE/PoE+	8 port PoE/8 port PoE+
Fiber port	2
Supported SFPs	S20/S25 series, S30/S35 series
SFP speed	100/1000
10/100/1000Base-T Ports	8 RJ-45 ports
SFP/Mini-GBIC Slots	2 SFP/Mini-GBIC Slots - 100Base-FX/BX/LX and 1000Base-SX/BX/LX/LHX/ZX SFP transceiver compatible
Port Configuration	Auto MDI/MDI-X
Port Speed	Auto-negotiate
Switch fabric	20 Gbps
Throughput (Mpps)	14.88
Mac table	8 K
Jumbo frame support	9 K
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

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Port Status	Display each port's: speed duplex mode, link status, flow control status, Auto negotiation status, trunk status
Port Mirroring	TX/RX/Both
Bandwidth Control	Bandwidth control per port: Ingress: 500 Kb to 1000 Mbps, Egress: 500 KB to 1000 Mbps
VLAN	IEEE 802.1q tagged-based VLAN
Link Aggregation	IEEE 802.3ad LACP / Static Trunk, Supports 5 groups of 8-Port trunk support
Quality of Service (QoS)	Traffic classification based, Strict priority and WRR
Multicasting/IGMP	IGMP (v1/v2/V3) Snooping, up to 255 multicast Groups with IGMP Querier mode support, MLD (v1/v2) Snooping, up to 255 multicast Groups with MLD Querier mode support
SNMP MIBs	RFC-1213 MIB-II
IEEE PoE Standard	IEEE 802.3af/IEEE 802.3at Power over Ethernet/PSE
Maximum Devices	8
Stackable	No
IEC standard	IEC60068-2-27 (shock), IEC60068-2-32 (free fall), IEC60068-2-6 (vibration)
Regulatory Standards	FCC Part 15 Class A, CE
IEEE Standards (1)	IEEE 802.3 10Base-T
IEEE Standards (2)	IEEE 802.1w Rapid spanning tree protocol
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)
Switch Architecture	Store-and-Forward
Switch Throughput	14.8 Mpps @64 bytes
Mac Address Table	8K entries
Share Data Buffer	4 Mbit
Flow Control	Back pressure for Half-Duplex, IEEE 802.3x Pause Frame for Full-Duplex
100/1000 Base-X/SFP Ports	100 LNK/ACT - Green
FAN(s)	Alarm/Green
Reset Button	System reboot: push and hold <5 sec.
Factory Default	push and hold > 5 sec.
Electrical Fast Transient (EFT) Protection	6 kVDC
SFP (100 Mbps)	S25 Series (wide-temp)
SFP (1000 Mbps)	S35 Series (wide-temp)