Company Logo

N-Tron® NT328G-20SFP-AC2 Layer 3 Managed Industrial Ethernet Switch

Item number: NT328G-20SFP-AC2

The N-Tron® NT328G Layer 3 Managed Industrial Ethernet Switch is a powerful, versatile and rugged 28-port managed switch for network management. High security, built-in redundancy, priority queuing and best-in-class features deliver advanced control and superior performance. Suitable for bandwidth-intensive applications in harsh industrial environments.

High performance 28-port managed Ethernet switch for industrial connectivity

Features and benefits

Flexibility with both copper and fiber ports

Eight 10/100/1000 Gigabit RJ-45 ports, 16 dualmode 100/1000Base Gigabit SFP slots and four dualmode 1000/10GBase SFP+ expansion slots. RJ-45 ports are auto-sensing for duplex and MDIX. SFP transceivers sold separately.

Superior data control and hardware-based routing

Store-and-forward technology delivers outstanding network performance to oil & gas, water and wastewater, energy, transportation, video and security applications.

Four 10G fiber ports for high bandwidth applications

SFP expansion slots take four 10 Gigabit SFP+ transceivers that support either 10G SFP+ fiber or 1G copper or fiber SFP transceivers.

Optimal control over data flow and traffic

Quality of Service (QoS) features include traffic policing, traffic shaping, queue scheduling and storm control.

Switch status monitoring and LED indicators

LED indicators indicate system and port status.

Advanced security features and access control

Security features include a policy/profile-based Access Control List, RADIUS port and user authentication, IP Source Guard (DHCP) and TLS/SSL encryption. Uses HTTPS, SSH, SSL and SNMPv3 protocols for safe connections.

Supports Layer 2 switching and Layer 3 routing

Layer 3 routing capability includes GVRP; VRRP v2, v3; RIP v1, v2; OSPF; static routing, and L3 forwarding with capacity up to 32 static routes, 512 dynamic routes and 8 VRRP groups.

Built to last in industrial environments

Hardened metal 19" IP30 rackmount enclosure designed for long-life use in harsh industrial conditions.

Robust management functionality

Fully managed features are easily configurable from a web browser. Set up SNMP, VLANs, Quality of Service (QoS), port trunking, port mirroring, IGMP, SNMP and RSTP to your specifications.

Leading certifications for industrial environments

IEEE 802.3 and IEEE 1613 compliant. Suitable for hazardous environments with UL Class I, Division 2 rating and CE certifications. EN 50155, EN 50121, EN 61373 Rail approval. Operating temperature of -40 °C to 75 °C and over 1m hours MTBF.

High network redundancy and configuration backup/restore

RSTP/MSTP protocols, LACP (port trunking) and high-speed proprietary Ring-and-chain protocol delivers high network redundancy with <20ms recovery time. Saves the switch configuration to a management station or FTP/TFTP server.

Dual VAC power inputs

Two 100-240 VAC power inputs.

HMS

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General

Net Weight (g)	3987.07368
Packed Weight (g)	3987.07368
Operating Temperature °C Min	-40
Operating Temperature °C Max	75
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	5% to 95% (Non-Condensing)
Power Consumption (W)	0
Input Voltage (V)	100-240 VAC
Maximum Installation Altitude (m)	3048
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	3

Identification and Status

Product ID	NT328G-20SFP-AC2
Country of Origin	Taiwan (Province of China)
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	24x RJ45, 4x Dual Mode SFP expansion slots, 2x power input
Top Wiring Clearance (mm)	50.8

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Banner

Physical Features

Front Wiring Clearance (mm)	101.6
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Bluetooth Features

Net Data Throughput	Up to 128.0 Gb/s

Certifications and Standards

Protection Class IP	IP30
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	No
DNV	No
KC	No
Mean Time Before Failure (MTBF)	>1,000,000 hours
Vibration and Shock	Vibration: IEC 60068-2-27: 50 g @ 11 ms Tri-Axle IEC 60068-2-32: Test Ed: Free Fall; Shock: IEC 60068-2-6: 2 g @ 5-500 Hz 2 g Tri-Axle

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