



N-Tron® NT328G-20SFP-AC1 Layer 3 Managed Industrial Ethernet Switch

Item number: NT328G-20SFP-AC1

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.
- ✓ **VAC power**
One 100-240 VAC power input.

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General

Net Weight (g)	3773.88544
Packed Weight (g)	3773.88544
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-AC1
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, 1x power input
Top Wiring Clearance (mm)	50.8

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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
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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