

PRODUCT DATA SHEET

6-port Managed Industrial PoE Switch, with 2 10/100/1000 Base-T(X)

IEEE802.3bt PoE++ Port, 2 10/100/1000Base-T(X)af/at PoE/PoE+ Port and 2 1000Base-X SFP Slott

Features

- Support 2 10/100/1000Base-T(X)bt PoE++ port, 2 10/100/1000Base-T(X)af/at PoE/PoE+ port and 2 1000Base-X SFP slot.
- Support G.8032(ERPS), IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3ad, IEEE802.3ab, IEEE802.3af/at, IEEE802.1p, IEEE802.1x, IEEE802.1Q, IGMP Snooping.
- Support CLI, SNMP, WEB management, Console/Telnet command-line management and syslog, using self-developed ring network technology, recovery time <20ms.
- 48-58VDC redundancy power, reverse polarity protection.
- Support PoE/PoE+/PoE++, IEEE802.3af: max 15.4W, IEEE802.3at: max 30W, IEEE802.3bt: max 60W.

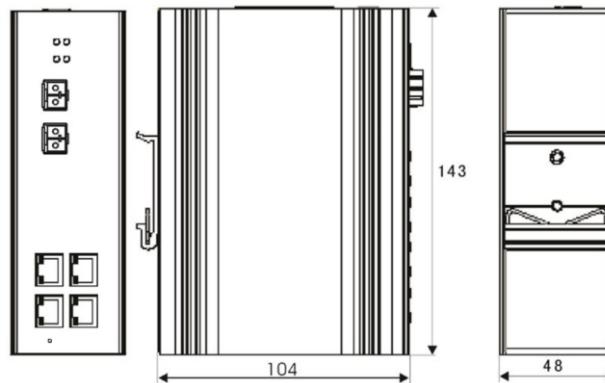


Introduction

NT-MIPS0204GBT is a high performance, cost-effective high-end managed industrial PoE switch. The switch provides 2 10/100/1000Base-T(X)bt PoE++ port, 2 10/100/1000Base-T(X)af/at PoE/PoE+ port and 2 1000Base-X SFP slot. Each port has a PoE function, especially for difficult to provide AC power and wiring costs demanding application scenarios, automatically adapt to IEEE 802.3af/at/bt standard.

The use of a Ring technology (network fault recovery <20ms) the user can easily set the redundant ring network to increase network reliability, it also support WEB, CLI, Telnet/serial console, Windows utility, and SNMP management of a variety of ways, rich QoS features for data traffic control and management, support ring protocol, RSTP and STP Ethernet redundancy support port-based VLAN, IEEE 802.1Q VLAN and GVRP protocol. The product also industrial design, and can be widely used in automotive PIS, CCTV, video surveillance systems, train control system, but also applies to any vibration shock, EMC compatibility requirements of harsh industrial applications, can meet a variety of industrial site requirements to achieve higher reliability.

Dimension



Order Information

Model No.	Description of Goods
NT-MIPS0204GBT	Managed Industrial PoE Switch, 2 10/100/1000Base-T(X) PoE++, 2 10/100/1000Base-T(X) PoE/PoE+ and 2 1000Base-X SFP Slot, DIN-Rail, 52-58VDC, -40-85°C Operating Temperature
Power Supply: 52VDC DIN-Rail Power Supply or Power Adapter is Optional.	



Specification

Protocol Standard	G.8032(ERPS), IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3ad, IEEE802.3ab, IEEE802.3af/at, IEEE802.1p, IEEE802.1x, IEEE802.1Q, IGMP Snooping
Switching Performance	Forwarding Rate: 26.78Mpps Transmission Mode: Store and Forward Packet Buffer Size: 12M Backplane Bandwidth: 36Gbps MAC Table Size: 16K Priority Queues: 8 Delay Time: < 10μs
Ring Network Management	Bandwidth Management: outbound port speed, speed limit particle size: 0 - 1G, step 100kbps Expanding Ring Back: based on port, support link aggregation/LACP, support load balancing, support port protection, Spanning Tree Protocol: STP, RSTP, MSTP System Upgrade: support under BOOTROM Xmodem/TFTP upgrade, support for system files and upload and upgrade configuration files User Management: Hierarchical user and password protection, port septum away, broken fiber alarm, power failure alarm System Maintenance: the optical module diagnostics, ping, port system count, support ERPS, ring protection switching time<20ms, with QOS traffic classification, priority level of trust, SP, WRR queue scheduling, support streaming strategies, suppression, support SNMP network pipe, support CLI/SNMP/WEB management, support Console and Telnet command line management and syslog
Ethernet Port	10/100/1000Base-T(X) auto speed control, full/half duplex and MDI/MDI-X auto-adaptation
Fiber Port	1000Base-X SFP slot
PoE	Pin-out: 1/2(+), 3/6(-), IEEE802.3af max 15.4w, IEEE802.3at max 30w.
LED Indicator	Power Indicator: PWR Port Indicator: LINK / ACT
Power Supply	Input Voltage: 48-58VDC Connector: 6 bit 5.08mm removable terminal block Full Load: <10W Protection Mechanism: overload protection, reverse connection protection, redundancy protection
Mechanical Structure	Shell: IP40 protection, aluminum alloy housing Dimension: 143*104*48mm (L*W*H) Weight: 550g Installation: DIN-Rail mounting, wall mounting
Operating Environment	Operating Temperature: -40-85°C Storage Temperature: -40-85°C Ambient Relative Humidity: 5%-95% (non-condensing)
Industry Standards	EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A EMS: EN61000-4-2 (ESD), Level 4 at 15kV (Air), 8kV (Contact) EN61000-4-3 (R/S), Level 3 at 10V/m EN61000-4-4 (EFT), Level 4 at 4kV (Power Port), 2kV (Data Port) EN61000-4-5 (Surge), Level 4 at 4kV EN61000-4-6 (CS), Level 3 at 10V/m EN61000-4-8, Level 5 at 100A/m Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
MTBF	>100,000 Hours
Warranty	5-years

