

**PRODUCT DATA SHEET**

**6-port Managed Industrial PoE Switch, with 4 10/100/1000Base-T(X) IEEE802.3af/at PoE/PoE+ Port and 2 1000Base-X SFP Slot**

**Features**

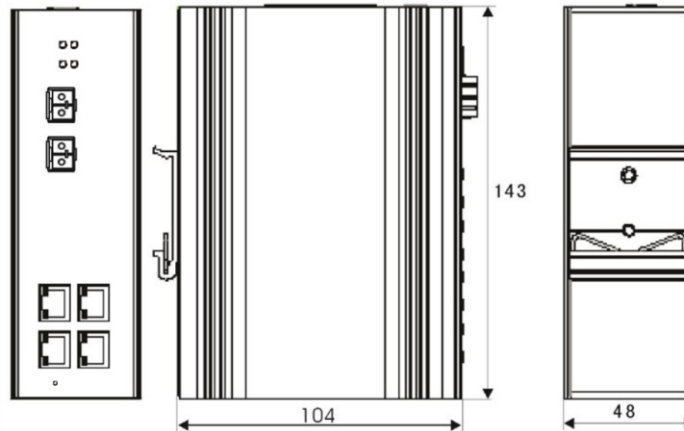
- Support 4 10/100/1000Base-T(X) PoE/PoE+ port and 2 1000Base-X SFP slot.
- Support G.8032(ERPS), IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3ad, IEEE802.3ab, IEEE802.3af/at, IEEE802.1p, IEEE802.1x, IEEE802.1Q, IGMP Snooping.
- Support CLI, SNMP, WEB management, Console/Telnet command-line management and syslog, using self-developed ring network technology, recovery time <20ms.
- 48-58VDC redundancy power, reverse polarity protection.
- Support PoE/PoE+, IEEE802.3af: max 15.4W, IEEE802.3at: max 30W.



**Introduction**

NT-MIPS0204G is a high performance, cost-effective high-end managed industrial PoE switch. The switch provides 4 10/100/1000Base-T(X) 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 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-MIPS0204G	Managed Industrial PoE Switch, 4 10/100/1000Base-T(X) PoE/PoE+ and 2 1000Base-X SFP Slot, DIN-Rail, 48-58VDC, -40-85°C Operating Temperature
<b>Power Supply:</b> 48VDC DIN-Rail Power Supply or Power Adapter is Optional.	



## Specification

<b>Protocol Standard</b>	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
<b>Switching Performance</b>	Forwarding Rate: 26.78Mpps <u>Transmission Mode</u> : Store and Forward Packet Buffer Size: 12M Backplane Bandwidth: 36Gbps MAC Table Size: 16K Priority Queues: 8 Delay Time: < 10μs
<b>Ring Network Management</b>	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 X modem/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
<b>Ethernet Port</b>	10/100/1000Base-T(X) auto speed control, full/half duplex and MDI/MDI-X auto-adaptation
<b>Fiber Port</b>	1000Base-X SFP slot
<b>PoE</b>	Pin-out: 1/2(+), 3/6(-), IEEE802.3af max 15.4w, IEEE802.3at max 30w.
<b>LED Indicator</b>	Power Indicator: PWR Port Indicator: LINK / ACT
<b>Power Supply</b>	Input Voltage: 48-58VDC Connector: 6 bit 5.08mm removable terminal block Full Load: <10W Protection Mechanism: overload protection, reverse connection protection, redundancy protection
<b>Mechanical Structure</b>	Shell: IP40 protection, aluminum alloy housing Dimension: 143*104*48mm (L*W*H) Weight: 550g Installation: DIN-Rail mounting, wall mounting
<b>Operating Environment</b>	Operating Temperature: -40-85°C Storage Temperature: -40-85°C Ambient Relative Humidity: 5%-95% (non-condensing)
<b>Industry Standards</b>	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 (Date 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
<b>Certification</b>	CE, FCC, RoHS
<b>MTBF</b>	>100,000 Hours
<b>Warranty</b>	5-years

