

# CERTIFICATE

Certificate Id: 2PAA104591 N-TRON 108TX

Category:	Unmanaged Industrial Ethernet Switch
Product Name:	N-TRON 108TX
Software Version:	-
Hardware Version:	-
Vendor:	N-Tron Corporation 3101 International Drive, Building 6 Mobile, Alabama 36606, USA
Certification Test Report:	3BSE057340
Certification reference:	System 800xA Version 3.x, 4.x, 5.x
Restrictions:	-

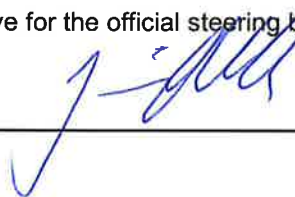
The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification – Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system with a major release of the certified product or the reference system, a new certification is required to keep the certificate current.

ABB AB  
721 59 Vasteras, Sweden

Date: 2015-12-17

Representative for the official steering body for the Industrial IT Certification



Jenny Sjödahl

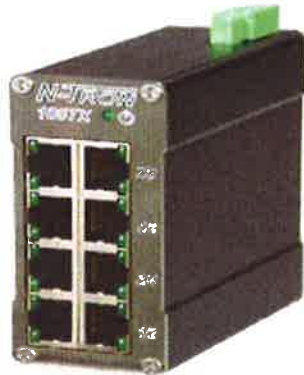
# N-TRON 108TX

## Industrial<sup>IT</sup> Certification



### Unmanaged Switch

- Eight RJ45 auto sensing 10/100Base-TX ports
- Supports Full/Half Duplex operation
- Auto sensing speed and flow control
- Redundant Power-inputs



Certification results and product details are summarized below:

#### Product Overview

<b>Fast Ethernet</b>	Eight 10/100 BaseTX ports
<b>Gigabit Ethernet</b>	No
<b>Compact Flash Interface</b>	No
<b>Console</b>	No
<b>System LED Indicator</b>	PWR, two LED indicators per port
<b>Alarm Contact</b>	No
<b>Digital Inputs</b>	No
<b>Input Voltage</b>	Redundant input voltage 10-30 VDC
<b>Operating Temperature</b>	-40°C to 70°C
<b>Connection</b>	Removable 4-pin terminal block
<b>Power Consumption</b>	250mA @ 24V
<b>Casing</b>	Hardened Metal DIN-Rail enclosure
<b>Installation</b>	DIN-Rail

#### Product Details in tested sample

<b>Fast Ethernet</b>	Yes
<b>Gigabit Ethernet</b>	No
<b>AFw-file</b>	Yes
<b>Models included in test</b>	108TX

#### Engineering

<b>Configuration and installation</b>	Unmanaged
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## Designed for Industrial Applications

The N-TRON 108TX Industrial Network Switch has auto sensing 10/100BaseTX ports and there will be no need to make extensive wiring changes if upgrades are made to the host computers, plant systems or Ethernet I/O modules.



The N-TRON 108TX switch closely supports the 800xA Extended Automation System Value Propositions as noted below:

### 800xA Value Proposition Mapping

- |   |   |
|---|---|
| ✓ | <b>Reducing Risk through High Integrity Automation</b>                          |
|   | - Adapted for Industrial Ethernet<br>- Mechanical form factor improves lifetime |

- |   |   |
|---|---|
| ✓ | <b>Investment Enhancement through Evolution</b> |
|   | - Continuation in product development           |