N-TRON
THE INDUSTRIAL NETWORK COMPANY

Model Number	Total number of Ports (Maximum for modular/Expandable enclosures)	RJ11 WAN/Phone Line Port V92/56K Modem	Serial Port with DCE device (9-Pin Sub-D Male connector)	10BaseTX Copper Ports (RJ45)	10/100BaseTX Copper Ports (RJ45)	10/100/1000BaseTX Copper Ports (RJ45)	10BaseFL Fiber Optic Ports (ST Style connector)	100BaseFX Fiber Optic Ports (ST Style connector)	1000Base Fiber Ports (LC Style Connector)	Multimode Fiber Ports (LC Style Connector)	Singlemode Fiber Standard (suitable for up to 2km)	1000Base Multimode (add E and -15, 40, or 80 km)	1000Base Multimode (add -SX, 50/125um=500-550m 62.5/125um=275-300m)	1000Base SingleMode (add -LX and -10, 40, or ~70 km option)	SC Style Fiber Connector Available (add -SC)	ST Style Fiber Connector Available (add -ST)	Industry Standard Polymer 35mm DIN-Rail mount Standard	Industry Standard Metal 35mm DIN-Rail mount	Optional 19" Rack Mount Kit available (900-RM)	Optional Panel Mount Kit (300-PM, 900-PM, 1000-PM, or 9000-PM)	N-View firmware to monitor with the included N-View/OPC Server	SNMP Control & Monitoring	Trunking, Mirroring, QoS, VLAN, Filters, Adjustable Aging Time, Individual Port Configuration, and IGMP Snooping (Out of Box Plug and Play with EtherNet/IP™)	User Configurable Status LED and Fault Contact Relay	N-Ring and Rapid Spanning Tree Protocol (RSTP)	0°C to 55°C Temperature Rating	0°C to 60°C Temperature Rating	-0°C to 70°C Temperature Rating	-20°C to 70°C Temperature Rating	-40°C to 80°C Temperature Rating (Standard Industrial Temp.)	-40°C to 85°C Temperature Rating (Standard Industrial Temp.)	-40°C to 80°C Temperature Rating (Extended Industrial Temp.)	-40°C to 85°C Temperature Rating (Extended Industrial Temp.)	Product Description (refer to product data sheet for more detailed specifications)
102PC-SE	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	●	-	-	○	○	-	●	-	-	-	-	-	-	●	-	-	Serial to Ethernet Protocol Converter used to mount legacy serial devices to the LAN
102RAS	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	●	-	-	○	-	-	-	-	-	-	-	-	-	-	●	-	-	Remote Access Server provides V.92/56K dial-in to Ethernet capability
102MC	2	-	-	-	1	-	-	1	-	-	●	○	-	-	●	●	●	-	-	○	○	-	-	-	-	-	-	-	-	-	●	-	Media Converter for connecting 100BaseFX Fiber devices to 10/100BaseTX devices
102MC-FL	2	-	-	1	-	-	1	-	-	-	●	-	-	-	-	●	●	-	-	○	○	-	-	-	-	-	-	-	-	-	●	-	-	Transparent Media Converter for connecting 10BaseFL legacy devices to 10BaseTX
104TX	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	●	-	-	○	-	-	-	-	-	-	-	-	-	-	-	●	-	Economical 4 port Industrial Ethernet switch with compact hardened metal enclosure
105TX	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	●	-	-	○	-	-	-	-	-	-	-	-	-	-	-	●	-	Economical 5 port Industrial Ethernet switch with compact hardened metal enclosure
108TX	8	-	-	-	8	-	-	-	-	-	-	-	-	-	-	●	-	-	○	-	-	-	-	-	-	-	-	-	-	-	●	-	Economical 8 port Industrial Ethernet switch with compact hardened metal enclosure
202MC	2	-	-	-	1	-	-	1	-	-	●	○	-	-	●	●	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	The well established 200 Series Media Converter is rugged and reliable
302MC	2	-	-	-	1	-	-	1	-	-	●	○	-	-	●	●	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	The 300 Series switches are rugged, economical, and compact
304TX	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	
305FX	5	-	-	-	4	-	-	1	-	-	●	○	-	-	●	●	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	
306TX	6	-	-	-	6	-	-	-	-	-	-	-	-	-	-	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	
306FX2	6	-	-	-	4	-	-	2	-	-	●	○	-	-	●	●	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	
308TX	8	-	-	-	8	-	-	-	-	-	-	-	-	-	-	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	
405TX	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	The well established 400 Series switches are rugged and reliable
405FX	5	-	-	-	4	-	-	1	-	-	●	○	-	-	●	●	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	
508TX	8	-	-	-	8	-	-	-	-	-	-	-	-	-	-	●	○	-	○	○	○	-	○	-	-	-	-	-	-	-	-	●	The 500 Series switches with the -A option add advanced management features that include VLAN, N-View™ OPC Monitoring, QoS, Port Trunking, Port Mirroring, and IGMP Snooping (out of box Plug and Play with EthernetIP)
508FX2	8	-	-	-	6	-	-	2	-	-	●	○	-	-	●	●	●	○	-	○	○	○	-	○	-	-	-	-	-	-	○	-	●	
509FX	9	-	-	-	8	-	-	1	-	-	-	-	-	-	-	●	○	-	○	○	○	-	○	-	-	-	-	-	-	-	○	-	●	
516TX	16	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	●	-	○	○	○	-	○	-	-	-	-	-	-	-	-	-	●	
517FX	17	-	-	-	16	-	-	1	-	-	●	○	-	-	●	●	-	●	-	○	○	○	-	○	-	-	-	-	-	-	○	-	●	
524TX	24	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	○	-	○	-	-	-	-	-	-	-	-	-	●	
526FX2	26	-	-	-	24	-	-	2	-	-	●	○	-	-	●	●	-	-	●	-	-	○	-	○	-	-	-	-	-	-	○	-	●	
604MFX	4	-	-	-	2	-	-	2	-	-	●	○	-	-	●	●	-	●	-	-	○	-	●	-	-	-	●	-	-	-	-	-	-	600 Series Redundant Ring Manager
608MFX	8	-	-	-	6	-	-	2	-	-	●	○	-	-	-	●	-	●	-	○	-	-	●	-	-	-	-	●	-	-	-	-	-	
708TX	8	-	-	-	8	-	-	-	-	-	-	-	-	-	-	●	○	-	○	○	●	●	●	●	●	-	-	-	-	-	-	●	The 700 Series switches are fully managed (SNMP, Web Browser, and CLI) and include N-Ring, RSTP, VLAN, N-View™ OPC Monitoring, QoS, Port Trunking, Port Mirroring, and plug and play IGMP Snooping
708FX2	8	-	-	-	6	-	-	2	-	-	●	○	-	-	●	●	○	-	○	○	●	●	●	●	●	-	-	-	-	○	-	●	
716TX	16	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	●	-	○	-	●	●	●	●	●	-	-	-	-	●	-	-	Fully Managed Industrial Ethernet Switch including 2 SFP Mini-GBIC Fiber Expansion Ports
716FX2	16	-	-	-	12	-	-	2	-	-	●	○	-	-	●	●	●	-	○	-	●	●	●	●	●	-	-	-	-	●	-	-	Fully Managed Industrial Ethernet Switch including 2 100BaseFX and 2 SFP Mini-GBIC Fiber Expansion Ports
900B Enclosure	24	-	-	-	○	○	-	○	-	-	○	○	-	-	○	○	●	-	-	○	○	○	-	-	-	-	-	-	-	●	-	-	900 Series Modular Chassis and Backplane with three expansion slots
900B-FP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	Filler Panel for 900 Series Chassis (required to complete unit)
902FX	-	-	-	-	-	-	-	2	-	-	●	○	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	Two 100FX port (SC or ST) expansion module for 900 Series Chassis
904FX	-	-	-	-	-	-	-	4	-	-	●	○	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	Four 100FX port (SC or ST) expansion module for 900 Series Chassis
908TX	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	Eight 10/100TX port (RJ45) expansion module for 900 Series Chassis
1002MC	2	-	-	-	-	1	-	-	-	1	-	-	●	○	-	-	-	●	-	○	○	-	-	-	-	-	-	-	-	-	●	-	Compact Gigabit Media Converter for connecting 1000Base Fiber devices to 10/100/1000BaseTX devices
1003GX2	3	-	-	-	-	1	-	-	-	2	-	-	●	○	-	-	-	●	-	○	○	-	-	-	-	-	-	-	-	-	●	-	Compact Gigabit Media Converter for connecting two 1000Base Fiber devices to 10/100/1000BaseTX devices
10005TX	5	-	-	-	-	5	-	-	-	-	-	-	-	○	-	-	-	●	-	○	○	-	-	-	-	-	-	-	-	-	●	-	Compact Gigabit Five Port 10/100/1000BaseTX Ethernet Switch
7014TX	14	-	-	-	12	-	-	-	-	○	-	-	○	○	-	-	-	●	-	○	-	●	●	●	-	●	-	-	-	●	-	-	Fully Managed Industrial Ethernet Switch including 2 SFP Mini-GBIC Fiber Expansion Ports
7014FX2	14	-	-	-	10	-	-	2	-	○	●	○	○	○	●	●	-	●	-	○	-	●	●	●	-	●	-	-	-	●	-	-	Fully Managed Industrial Ethernet Switch including 2 100BaseFX and 2 SFP Mini-GBIC Fiber Expansion Ports
7018TX	18	-	-	-	16	-	-	-	-	○	-	-	○	○	-	-	-	●	-	○	-	●	●	●	●	●	-	-	-	●	-	-	Fully Managed Industrial Ethernet Switch including 2 SFP Mini-GBIC Fiber Expansion Ports
7018FX2	18	-	-	-	14	-	-	2	-	○	●	○	○	○	●	●	-	●	-	○	-	●	●	●	●	●	-	-	-	●	-	-	Fully Managed Industrial Ethernet Switch including 2 100BaseFX and 2 SFP Mini-GBIC Fiber Expansion Ports
9000BP Enclosure	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	○	○	●	●	●	-	●	-	-	-	-	●	-	-	9000 Modular Chassis & Backplane, with one CPU slot and four expansion slots
9000CPU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	○	○	●	●	●	-	●	-	-	-	-	●	-	-	Fully Managed 9000 CPU Module (without Gigabit option) for 9000 Series Chassis
9002CPU	-	-	-	-	-	-	-	-	2	2	-	-	●	○	-	-	-	●	-	○	○	●	●	●	-	●	-	-	-	●	-	-	Fully Managed 9000 CPU Module with two LC Style Gigabit fiber ports (-LX or -SX)
9000-FP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	○	○	●	●	●	-	●	-	-	-	●	-	-	Blank Filler Panel for 9000 Series Chassis (required to complete unit)
9002FX	-	-	-	-	-	-	-	2	-	-	●	○	-	-	●	●	-	●	-	○	○	●	●	●	-	●	-	-	-	●	-	-	Two 100FX port (SC or ST) expansion module for 9000 Series Chassis
9004FX	-	-	-	-	-	-	-	4	-	-	●	○	-	-	●	●	-	●	-	○	○	●	●	●	-	●	-	-	-	●	-	-	Four 100FX port (SC or ST) expansion module for 9000 Series Chassis
9006TX	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	●	-	○	○	●	●	●	-	●	-	-	-	-	●	-	-	Six 10/100TX port (RJ45) expansion module for 9000 Series Chassis
Model Number	**Port Configuration**															**Mounting Configuration**					**Remote Monitoring & Control**		**Advanced Management Features**			**Operating Temperature**								**Product Description (refer to product data sheet for more detailed specifications)**

NTPS-24-1.3	*1.3 Amp @ 24 VDC power supply suitable for most product applications.*
NTPS-24-3	*3.0 Amp @ 24 VDC power supply for use with 900B Enclosures when 2 or more 902/904FX modules are installed.*
NTPS-24-5	*5.0 Amp @ 24 VDC power supply for use with the 9000 Series.*
NTPS-48-5	*5.0 Amp @ 48 VDC power supply for use with the Power over Ethernet (iPoE) Devices.*
NTPS-24-TT-XXX	*1.04 Amp @ 24 VDC Table Top power supply (replace XXX with: 100, 200, 300, or 400 Series). Or, 3.66 Amp @ 18 VDC Table Top power supply (replace XXX with 500 or 600 Series)*
NTPS-24-WA-XXX	*0.8 Amp @ 24 VDC Wall Adaptor power supply (replace XXX with: 100, 200, 300, 400 Series). Or, 1.67 Amp @ 24 VDC Wall Adaptor power supply (replace XXX with - 500 or 600 Series)*
NTSA-CAT5e	*This device was designed to provide effective surge arrester protection for all wiring schemes. The most common application for this device is Ethernet.*
*N-VIEW-OPC**	*N-View* OLE for Process Control Server Site License, CD with N-View OPC, N-View Configuration Utility, and Manual - Included FREE! o n Product CD.*
*iSNMP-XXX**	*iSNMP* Suite integrates monitoring of SNMP-managed Ethernet devices into HMIs and other OPC client software packages. Replace XXX with BAS for Basic, EXP for Expert, or ENT for Enterprise versions.*
Custom Cables	Custom length shielded CAT5e patch cable with RJ45 Connectors (shielded end for switch end); multimode and singlemode fiber optic cable (SC, ST, and LC); armored jacket fiber optic also available.

*Protected by U.S. Patent No. 6,728,262