

ConneXium™ Managed Switches



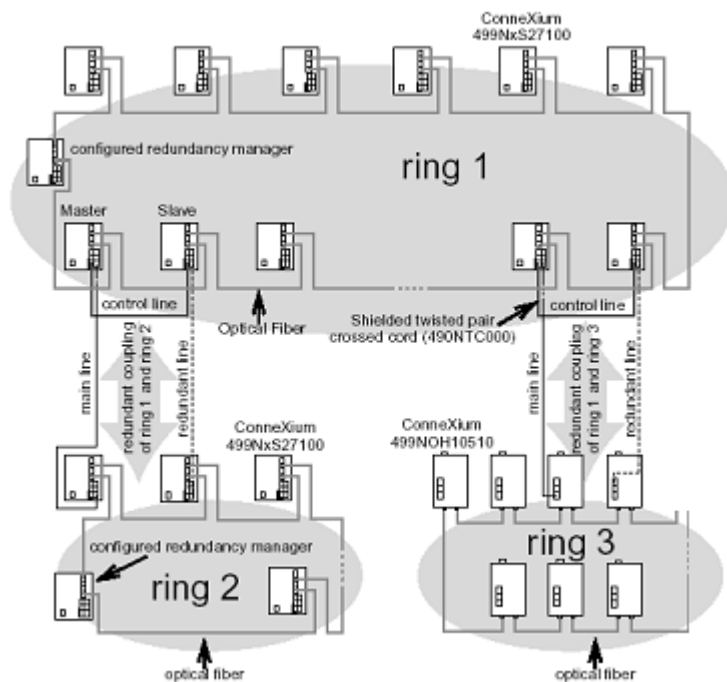
The best answer for redundancy, management and traffic optimization

This new set of three managed Industrial Ethernet 7-port switches offers unprecedented flexibility combined with more powerful features than any previous offering. Telemecanique® ConneXium™ managed switches are designed to easily connect individual devices or complete network segments, particularly within tough industrial environments.

Basic Setting Configuration Options

- Local HyperTerminal connection (V.24 port)
- DHCP/BOOTP (Switch IP parameters)
- FDR (Faulty device replacement)
- Web-based management
- Back-up configuration adapter, 499NCA20000
- Automatic IP address allocation on a per port basis with a DHCP relay agent and DHCP option 82
- Ethernet switch configurator (Switch IP only)
- Extensive web-based diagnostic/configuration management, high-availability redundancy, increased traffic optimization, better filtering options and enhanced security features, are all tools users require for their networks to run efficiently and remain immune from external dangers
- The Ethernet 10/100 base copper and fiber port switches meet IEEE standard 802.3 or 802.3u
- The TP copper ports support half/full duplex and 10/100 Mbps autonegotiation, autopolarity, and autocrossing

Increased functionality – new product features offer plant floor and IT professionals the tools they need to monitor the network, access information and determine actions needed to resolve issues for increased productivity:



Hardware Features

- Autocrossing (MDI/MDI-X) when auto-negotiation active
- Autopolarity (adjust RD+ and RD-)
- 10/100 Mbps speed and full/half duplex auto-negotiation on the TX ports
- Dual input power supply
- Alarm relay contact
- LED indicators (Power P1, P2; Link/Activity; Fault; Standby/Redundancy manager)

Switching Features

- Store and forward operation
- Address learning capability (4000 MAC addresses)
- Port mirroring
- Frame tagging/priority; frames with the priority field include:
 - 0-3 are forwarded with low priority
 - 4-7 are forwarded with high priority
- Port priority
- Flow control according to IEEE 802.3x
- Broadcast limiter

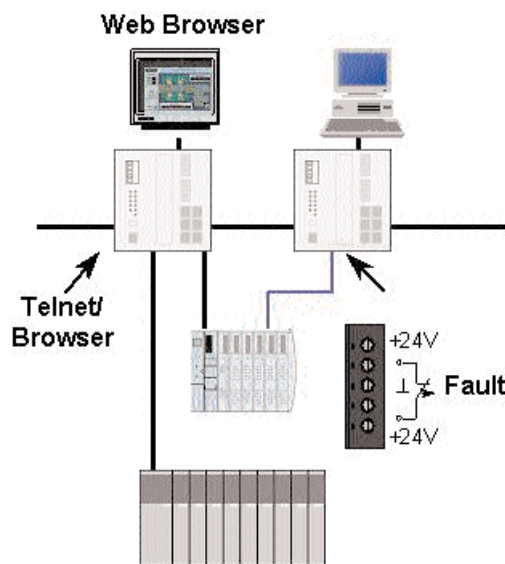
Software Features

(Added to current version)

- GMRP is active for global data service
- IGMP snooping
- Rapid spanning tree protocol
- VLAN (40 VLAN out of 1-1024 VLAN ID) according to IEEE 802.1Q
- SNTP (Simple network time protocol) according to RFC1769
- SNMPv2c and SNMPv3
- Logfile

Technical Data

- Agency approvals:
 - UL508, UL1604 Class 1 Div 2, and UL60950
 - CSA C22.2 14 (cUL mark), CSA C22.2 213 Class 1 Div 2 (UL mark), CSA No. 60950
 - CE and IEC 61131-1
- Operating temperature: 0 to 55° C (32 to 131° F)
- Power range: 18 to 32 VDC (typical using 24 VDC)
- Mounting option: DIN rail



Ordering Information

New Reference	Description
499NES27100	5 10/100 base-TX ports 2 100 Base-TX ports (Bus, ring or star)
499NOS27100	5 10/100 base-TX ports 2 100 Base-FX ports multimode fiber - 2Km (Bus, ring or star)
499NSS27100	5 10/100 base-TX ports 2 100 Base-FX ports singlemode fiber - 15 Km (Bus, ring or star)
499NCA20000	Back-up configuration adapter

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