

Aaxeon InSight - New Managed Switch

Thursday, August 18, 2011
10:01 AM

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New Managed Industrial Gigabit Ethernet Switch



LNX-1212GN-SFP-T

- ▶ 8 x Gigabit Combo Ports and 4 x 1000Base-X SFP Ports
- ▶ Jumbo Frame up to 9K Bytes
- ▶ Redundant Ring (Recovery Time < 20ms)
- ▶ MSTP/RSTP/STP (IEEE 802.1s/w/D) for Ethernet Redundancy
- ▶ Supports Application Based QoS Management
- ▶ Supports IP Police Security Function
- ▶ Supports DOS/DDOS Auto Prevention
- ▶ Supports DDM (Digital Diagnostic Monitoring)
- ▶ IGMP v2/v3 (IGMP Snooping Support)
- ▶ SNMP v1/v2c/v3, RMON & 802.1Q VLAN Network Mgmt.
- ▶ Support ACL, 802.1x User Authentication for Security



8 x SFP (Mini-GBIC) Combo Ports

The LNX-1212GN-SFP-T Managed Industrial Ethernet Switch is equipped with 8 10/100/1000T SFP (Mini-GBIC) Combo Port that allows users to use either standard RJ-45 Ethernet connection of a variety of transceivers to meet their fiber requirements.

Multiple Spanning Tree Protocol

The LNX-1212GN-SFP-T Managed Industrial Ethernet Switch features Multiple Spanning Tree Protocol (IEEE 802.1s) that allows the formation of multiple regions that can run multiple instances.



Wide Operating Temperature Range

The LNX-1212GN-SFP-T Managed Industrial Ethernet Switch is able to operate in the most extreme environment. Along with its rugged design, the LNX-1212GN-SFP-T is able to withstand operating temperatures from -40°C all the way to 70°C.



What is...?

MSTP

The Multiple Spanning Tree Protocol (MSTP), originally defined in IEEE 802.1s and later merged into IEEE 802.1Q-2005, defines an extension to RSTP to further develop the usefulness of virtual LANs (VLANs). This "Per-VLAN" Multiple Spanning Tree Protocol configures a separate Spanning Tree for each VLAN group and blocks all but one of the possible alternate paths within each Spanning Tree.

If there is only one Virtual LAN (VLAN) in the network, single (traditional) STP works appropriately. If the network contains more than one VLAN, the logical network configured by single STP would work, but it is possible to make better use of the alternate paths available by using an alternate spanning tree for different VLANs or groups of VLANs.

MSTP allows formation of MST regions that can run multiple MST instances (MSTI). Multiple regions and other STP bridges are interconnected using one single common spanning tree (CST).

Source: wikipedia.org