antaira®

making connectivity simple...

Managed Switches
## Firmware Features

ADVANCED SOFTWARE MANAGEMENT

Antaira Technologies is proud to launch a new series of firmware for managed switches. The 3.X series of firmware brings countless new features and enhancements. New security features help create a safer network and offer more advanced monitoring elements to minimize downtimes.

Creating a secure networking environment has never been more critical. This new firmware includes Access Control Lists (ACLs), an IP source guard, and TACACS+ which all play a key role in locking down a secured network. The ability to use a centralized server to authenticate a user login combined with a user's custom access will prevent the wrong person from entering areas that might disrupt the network. This will virtually eliminate accidental or malicious network outages.

Locking down a network is important but being able to monitor and control a network is equally important. Enhancements to Simple Network Management Protocol (SNMP), Link Layer Discovery Protocol (LLDP, LLDP-MED), and Remote network MONitoring (RMON) have made it possible to identify in detail potential issues that may be occurring on the network. Proactive network management is an important step to maintaining a stable network.

IP Routes

IP routes enable Layer 3 IP routing between different IP interfaces. This feature can be used to create a simple solution avoiding the requirement for a separate routing device.

STATIC ROUTES

192.168.1.X

10.10.10..X
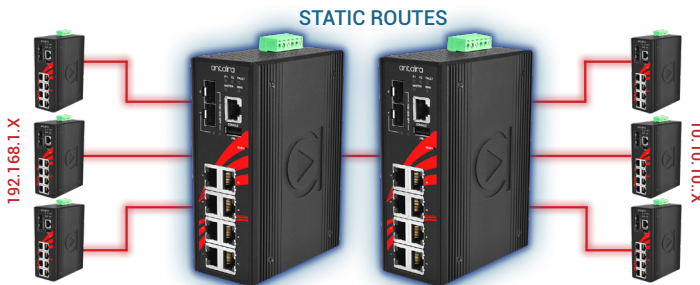
Enhanced Security Features

Locking down industrial networks is imperative for a safe network. With the enhanced security features now being provided, Antaira can become an intricate part of the security plan.

- Access Control List (ACL)
- Port Security or IP Source Guard
- 802.1X and DHCP snooping
- Multi Level User Access with Radius and TACACS Support

Redundant Networking Enhancements

Providing alternate data paths in a network will help provide greater up-time for any network. The new redundant network features and enhancements will provide the ability to add redundant data paths to the network plan.

- ERPS V2
- STP/RSTP/MSTP
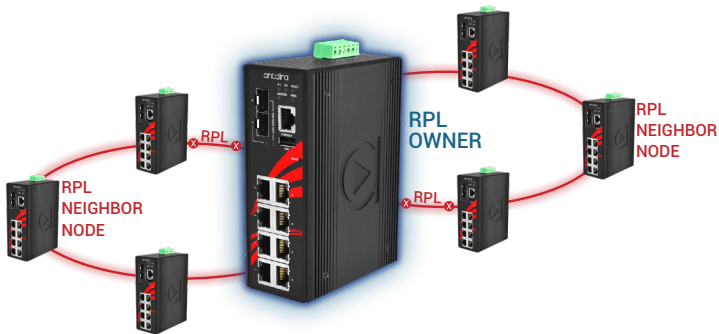
Enhanced Multicast Handling

Multicast data is omnipresent in industries using automation and video. The ability to only send multicast data streams to parts of the network requiring the data is critical to keeping a network running efficiently. These new enhancements help enable the switch to control multicast data streams.

- Multicast VLAN Registration (MVR)
- IP Multicast (IPMC)

New Troubleshooting Tools

Nothing is more unsettling than wondering why the network is not performing as expected. Many of the new features will help create a window into the network letting a technician see the data flowing from one point to the next.

- Remote Mirroring
- Monitoring
- Ping IPv4 and Ping IPv6

FEATURES

Green Ethernet
-IEEE 802.3az EEE (Energy Efficient Ethernet)

Layer 3 Switching
-IP Routes

Management
-CLI
-HTTP
-HTTPS
-SNMP v1/v2c/v3
-SSH
-Telnet

Security
-Access Management
-ACL
-ARP Inspection
-DHCP Snooping
-IP Source Guard
-Multi User Account
-Port Security Limit Control
-RADIUS
-TACACS+

VLAN
-802.1Q Tag VLAN
-GVRP
-IP Subnet-based VLAN
-MAC-based VLAN
-Private VLAN
-Protocol-based VLAN

PoE Management
-PoE Alive Check
-PoE Power Budget Managed
-PoE Schedule

Network Reliability
-STP
-RSTP
-MSTP
-ERPS

Traffic Control
-LACP
-QoS (CoS/ToS)

DHCP
-DHCP Client
-DHCP Relay
-DHCP Server
-DHCP Snooping

Monitor
-IEEE 802.1AB LLDP
-IEEE 802.1AB LLDP-MED
-Port Mirroring
-RMON
-sFlow
-Syslog Remote Server

Other
-ICMP Ping
-ICMPv6 Ping
-Loop Protection
-NTP Client

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