DYMEC American Industrial

DY-9000RGSP

Web User Manual_Vol6

Kansas City, Missouri, U.S.A.

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*Notes: Some functions are L3 features. It's available for L3 switches only.

Chapter 49

DDM: SFP Monitor

DDM function can pass SFP modules which supports DDM function, measure the temperature of the apparatus and manage and set up event alarm modules through DDM WEB.

Chapter 50

Modbus TCP

The device supports Modbus TCP. For more information, please go to http://www.modbus.org/).

Chapter 51

Ring

Ring is a powerful redundancy topology. The recovery time of Ring is less than 10ms. It can reduce unexpected damage caused by network topology change. Ring supports three ring topologies: Open- Ring, Coupling Ring and Dual Homing.

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51.1 Ring

Redundant Ring	Mark to enable Ring
Ring Master	There should be one and only one Ring Master in a ring. However, if there are two or more switches which set Ring Master to enable, the switch with the lowest MAC address will be the actual Ring Master and others will be Backup Masters.
1st Ring Port	The primary port, when this switch is Ring Master
2nd Ring Port	The backup port, when this switch is Ring Master.
Coupling Ring	Mark to enable Coupling Ring. Coupling Ring can be used to divide a big ring into two smaller rings to avoid effecting all switches when network topology change. It is a good application for connecting two Rings.
Coupling Port	Link to Coupling Port of the switch in another ring. Coupling Ring need four switch to build an active and a backup link. Set a port as coupling port. The coupled four ports of four switches will be run at active/backup mode.
Dual Homing	Mark to enable Dual Homing. By selecting Dual Homing mode, the ring will be connected to normal switches through two RSTP links (ex: backbone Switch). The two links work as active/backup mode, and connect each ring to the normal switches in RSTP mode.
Apply	Click "**Apply**" to set the configurations.

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Chapter 52

Chain

Chain is the revolutionary network redundancy technology that provides add-on network redundancy topology for any backbone network, providing ease-of-use while maximizing fault-recovery swiftness, flexibility, compatibility, and cost-effectiveness in one set of network redundancy topologies Chain allows multiple redundant network rings of different redundancy protocols to join and function together as a larger and more robust compound network topology, i.e. the creation of multiple redundant networks beyond the limitations of current redundant ring technology.

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52.1 VPN Settings

Enable	Enabling the Chain function
1st Ring Port	Choosing the port which connect to the ring
2nd Ring Port	Choosing the port which connect to the ring
Edge Port	In the Chain application, the head and tail of two Switch Port, must start the Edge, MAC smaller Switch, Edge port will be the backup and RM LED Light.

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