HIRSCHMANN
A BELDEN BRAND

Product: Classic Switch Software 9.0 - MACH1040 (L2P)

Classic Software 9 for all MAR1040/1042 and MAR1140/1142 switches

Product Description

The Classic Switch Software provides a range of functions normally found in backbone systems used in office networks. This includes comprehensive management, diagnostics and filter functions, various redundancy features, security mechanisms and real-time applications. All relevant software files can be downloaded from the "Documents " tab

Technical Specifications

Product description

Type:	MACH1040
Part Number:	free download

Software

Switching:	Disable Learning (hub functionality) Double VLAN Tagging (QinQ) Egress Broadcast Limiter per Port Fast Aging Flow Control (802.3X) GARP Multicast Registration Protocol (GMRP) GARP VLAN Registration Protocol (GVRP) IGMP Snooping/Querier (v1/v2/v3) Independent VLAN Learning Jumbo Frames QoS / Port Prioritization (802.1D/p) Static Unicast/Multicast Address Entries TOS/DSCP Prioritization VLAN (802.1Q) Voice VLAN
Redundancy:	Advanced Ring Configuration for MRP Fast HIPER-Ring HIPER-Ring (Manager) HIPER-Ring (Ring Switch) Link Aggregation with LACP Media Redundancy Protocol (MRP) (IEC62439-2) MSTP (802.1Q) Redundant Network Coupling RSTP 802.1D-2004 (IEC62439-1) RSTP Guards RSTP over MRP Sub Ring Manager
Management:	Dual Software Image Support HTTP HTTPS LLDP (802.1AB) LLDP-MED SNMP v1/v2/v3 SSHv1 SSHv2 Telnet TFTP Traps V.24
Diagnostics:	Address Relearn Detection Configuration Check Dialog Copper Cable Test Device Status Indication Duplex Mismatch Detection LEDs Link Flap Detection Link Speed and Duplex Monitoring MAC Notification Management Address Conflict Detection Overload Detection Port Mirroring 1:1 Port Mirroring 8:1 Port Mirroring N:1 Port Monitoring with Auto-Disable RMON (1,2,3,9) Self-Tests on Cold Start SFP Management Signal Contact Switch Dump Syslog System Information TCPDump
Configuration:	AutoConfiguration Adapter ACA11 Limited Support (RS20/30/40, MS20/30) AutoConfiguration Adapter ACA21/22 (USB) Automatic Configuration Undo (roll-back) BOOTP/DHCP Client with Auto-Configuration CLI Scripting Command Line Interface (CLI) Configuration Fingerprint Context-sensitive Help DHCP Relay with Option 82 DHCP Server: Option 43 DHCP Server: per Port DHCP Server: Pools per VLAN Full-featured MIB Support HiDiscovery Web-based Management
Security:	Access to Management restricted by VLAN Appropriate Use Banner Guest/unauthenticated VLAN HTTPS Certificate Management IP-based Port Security Local User Management MAC Authentication Bypass MAC-based Port Security Multi-Client Authentication per Port Port-based Access Control with 802.1X RADIUS VLAN Assignment Remote Authentication via RADIUS Restricted Management Access SNMP Logging
Time synchronisation:	Buffered Real Time Clock PTPv2 Boundary Clock PTPv2 Transparent Clock two-step SNTP Client SNTP Server
Industrial Profiles:	EtherNet/IP Protocol IEC61850 Protocol (MMS Server, Switch Model) PROFINET IO Protocol
Miscellaneous:	Manual Cable Crossing PoE (802.3AF) PoE+ (802.3AT)

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Certificates:	https://www.doc.hirschmann.com/certificates.html

History

Update and Revision:	Revision Number: 0.65 Revision Date: 04-04-2024

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