ipd

Product No: 942 030-001

HIRSHMANN MANAGED 20-PORT FULL GIGABIT 19" SWITCH WITH POEP 942030001

FEATURES

- 20 Port Gigabit Ethernet Industrial Workgroup Switch (16 x GE TX PoEPlus Ports, 4 x GE SFP combo Ports)
- Store-and-Forward-Switching
- IPv6 Ready

General Information	
Brand	HIRSHMANN
Product Type	Managed
Series	MACH104
Software Configuration	AutoConfiguration Adapter ACA11 Limited Support (RS20/30/40, MS20/30), Automatic Configuration Undo (roll-back), BOOTP/DHCP Client with Auto-Configuration, DHCP Server: per Port, AutoConfiguration Adapter ACA21/22 (USB), HiDiscovery, DHCP Relay with Option 82, Command Line Interface (CLI), CLI Scripting, Full-featured MIB Support, Web-based Management, Context-sensitive Help
Software Diagnostics	Management Address Conflict Detection, Signal Contact, Device Status Indication, LEDs, Syslog, Port Monitoring with Auto-Disable, Link Flap Detection, RMON (1,2,3,9), Port Mirroring 1:1, System Information, Self-Tests on Cold Start, Copper Cable Test, SFP Management, Configuration Check Dialog
Software Industrial Profiles	EtherNet/IP Protocol, PROFINET IO Protocol
Software Level	Software Layer 2 Professional
Software Management	Dual Software Image Support, TFTP, LLDP (802.1AB), LLDP-MED, SSHv1, SSHv2, V.24, HTTP, HTTPS, Traps, SNMP v1/v2/v3, Telnet
Software Miscellaneous	PoE (802.3AF), PoE+ (802.3AT), PoE+ Manual Power Management, Manual Cable Crossing
Software Redundancy	Advanced Ring Configuration for MRP, HIPER-Ring (Manager), HIPER-Ring (Ring Switch), Fast HIPER-Ring, Link Aggregation with LACP, Media

	Redundancy Protocol (MRP) (IEC62439-2), Redundant Network Coupling, RSTP 802.1D-2004 (IEC62439-1), MSTP (802.1Q), RSTP Guards, RSTP over MRP
Software Security	IP-based Port Security, MAC-based Port Security, Port-based Access Control with 802.1X, Guest/unauthenticated VLAN, RADIUS VLAN Assignment, Multi-Client Authentication per Port, MAC Authentication Bypass, Access to Management restricted by VLAN, HTTPS Certificate Management, Restricted Management Access, Appropriate Use Banner, SNMP Logging, Local User Management, Remote Authentication via RADIUS
Software Switchng	Disable Learning (hub functionality), Independent VLAN Learning, Fast Aging, Static Unicast/Multicast Address Entries, QoS / Port Prioritization (802.1D/p), TOS/DSCP Prioritization, Egress Broadcast Limiter per Port, Flow Control (802.3X), Jumbo Frames, VLAN (802.1Q), GARP VLAN Registration Protocol (GVRP), Double VLAN Tagging (QinQ), Voice VLAN, GARP Multicast Registration Protocol (GMRP), IGMP Snooping/Querier (v1/v2/v3)
Software Time Synchronization	PTPv2 Transparent Clock two-step, PTPv2 Boundary Clock, Buffered Real Time Clock, SNTP Client, SNTP Server

Technical Attributes	
Electromagnetic Capability	10 V/m (80-3000 MHz)
Electrostatic Discharge (kV)	4 kV Contact Discharge, 8 kV Air Discharge
Frequency Range (Hz)	50 - 60
Network Configuration	any
No. of Ethernet Ports	16
No. of Fiber Ports	4
No. of Pins	2
Nominal Power (W)	35
Operating Voltage Range	100 - 240 V AC
Port Quantity and Type	16 x 10/100/1000BASE-TX RJ45 PoEPlus, 4 x 10/100/1000BASE-TX RJ45 or 100/1000BASE-FX SFP
Power Consumption (W)	35

Power Output in BTU (IT)/h	119
Rated Maximum Operational Voltage AC (V)	240
Rated Minimum Operational Voltage AC (V)	110
Rated Operational Voltage AC (V)	100 - 240
Resistance to Vibrations	3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min 1 g, 8.4–150 Hz, 10 cycles, 1 octave/min
Surge Voltage (kV)	Power Line: 2 kV (Line/Earth), 1 kV (Line/Line), 4 kV Data Line
Switch Type	Switch - Managed
Terminal Type	1 x Terminal Block 2-pins, contact manually or automatically (max. 1 A, 24 V DC or 24 V AC)
Transition Type	2 kV power line, 4 kV data line

Physical Attributes

Maximum Temperature (^{o}C)	50
Minimum Temperature (^{o}C)	0
Mounting Type	19" Control Cabinet
Operational Temperature Range (^{o}C)	0 - 50
Relative Humidity	10-95 %

Dimensions

Cable Length (m)	0 - 100
Dimensions (mm)	448W x 44H x 345D
Weight (g)	4500

Protection & Standards

Degree of Protection	IP20
Standards and Approvals	EN50121-4

Resources

Product catalogue (Flipbook)	Download from here