HIRSCHMANN
A BELDEN BRAND

Product: EES20-0600UHIHSH2E



Embedded Ethernet Switch with redundancy function RSTP

Product Description

Managed Fast Ethernet Switch according to IEEE 802.3, store-and-forward-switching

Technical Specifications

Product description

Description:	Managed Fast Ethernet Switch according to IEEE 802.3, store-and-forward-switching
Software Version:	HiOS 07.1.08
Part Number:	942050001
Port Type and Quantity:	6 x Fast Ethernet ports, configurable as 100BaseTX or 100BaseFX, RX+/RX-and TX+/TX- signals per port

Product Life Cycle

Last Order Date:	2026-10-31
Last Delivery Date:	2027-01-31
Last Service Date:	2032-10-31

More Interfaces

Control / Status:	RS232 (configuration), SPI (status), SNMP traps (alarm), SNMP
Host Interface:	2 x 50-pin male connectors

Network size - cascadibility

Line - / star topology:	any

Power requirements

Operating Voltage:	3.3 V DC +/- 5%
Power Consumption:	2.9

Software

Switching:	Independent VLAN Learning, Fast Aging, Static Unicast/Multicast Address Entries, QoS / Port Prioritization (802.1D/p), TOS/DSCP Prioritization, Interface Trust Mode, CoS Queue Management, Flow Control (802.3X), Egress Interface Shaping, Ingress Storm Protection, VLAN (802.1Q), VLAN Unaware Mode, IGMP Snooping/Querier per VLAN (v1/v2/v3), Unknown Multicast Filtering, Multiple VLAN Registration Protocol (MVRP), Multiple MAC Registration Protocol (MMRP), Multiple Registration Protocol (MRP)
Redundancy:	Link Aggregation with LACP, Link Backup, Media Redundancy Protocol (MRP) (IEC62439-2) - Redundancy Manager, Media Redundancy Protocol (MRP) (IEC62439-2) - Redundancy Client, RSTP 802.1D-2004 (IEC62439-1), RSTP Guards
Management:	TFTP, SFTP, SCP, LLDP (802.1AB), SSHv2, V.24, HTTP, HTTPS, Traps, SNMP v1/v2/v3, Telnet
Diagnostics:	Management Address Conflict Detection, Device Status Indication, TCPDump, LEDs, Syslog, Port Monitoring with Auto-Disable, Link Flap Detection, Overload Detection, Duplex Mismatch Detection, Link Speed and Duplex Monitoring, RMON (1,2,3,9), Port Mirroring 1:1, Port Mirroring 8:1, Port Mirroring N:1, System Information, Self-Tests on Cold Start, SFP Management, Configuration Check Dialog, Switch Dump, Snapshot Configuration Feature
Configuration:	Automatic Configuration Undo (roll-back), Configuration Fingerprint, Text-based Configuration File (XML), BOOTP/DHCP Client with Auto-Configuration, HiDiscovery, Command Line Interface (CLI), CLI Scripting, Full-featured MIB Support, Web-based Management, Context-sensitive Help
Security:	MAC-based Port Security, Port-based Access Control with 802.1X, Guest/unauthenticated VLAN, Integrated Authentication Server (IAS), RADIUS VLAN Assignment, Denial-of-Service Prevention, Access to Management restricted by VLAN, Device Security Indication, Audit Trail, CLI Logging, HTTPS Certificate Management, Restricted Management Access, Appropriate Use Banner, Configurable Password Policy, Configurable Number of Login Attempts, SNMP Logging, Multiple Privilege Levels, Local User Management, Remote Authentication via RADIUS, User Account Locking, Password change on first login
Time synchronisation:	PTPv2 Transparent Clock two-step, PTPv2 Boundary Clock, SNTP Client, SNTP Server
Industrial Profiles:	EtherNet/IP Protocol, IEC61850 Protocol (MMS Server, Switch Model), ModbusTCP, PROFINET IO Protocol

Miscellaneous:	Manual Cable Crossing, Port Power Down

Ambient conditions

Operating temperature:	-40-+85 °C
Protective paint on PCB:	Optional

Mechanical construction

Dimensions (WxHxD):	88 mm x 13 mm x 60 mm
Weight:	35 g

Reliability

Guarantee:	60 months (please refer to the ""terms of guarantee or detailed information)

Scope of delivery and accessories

Accessories to Order Separately:	EES development kit – Order-No. 942 049-001

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Certificates:	https://www.doc.hirschmann.com/certificates.html
Software Download:	https://my.belden.com/s/downloads

History

Update and Revision:	Revision Number: 0.144 Revision Date: 03-03-2026

Variants

Item #	Type
942050001	EES20-0600UHIHSH2E

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