



Product information Modular Gigabit Ethernet PoE Railswitch 8-24 ports - MSP32-16040SPZ999HHE2A06.0

Industrial Ethernet:Modular Industrial Switches:Configurable Modular Switches - MSP:with HiOS 6.0/7.0:Modular Gigabit Ethernet PoE Railswitch 8-24 ports

<http://dev-catalog.beldensolutions.com/link/57078-24455-49860-277860-460755-460756/en/MSP32-16040SPZ999HHE2A06.0/uistate>

Name **Modular Gigabit Ethernet PoE Railswitch 8-24 ports**



Gigabit Ethernet-Switch according to IEEE 802.3 Modular, managed, Industrial Switch for DIN Rail Store-and-Forward-Switching, fan less design, HiOS Layer 2 Advanced, HiOS Layer 3 Advanced

Delivery informations

Availability available

Product description

Description Gigabit Ethernet-Switch according to IEEE 802.3 Modular, managed, Industrial Switch for DIN Rail Store-and-Forward-Switching, fan less design, HiOS Layer 2 Advanced, HiOS Layer 3 Advanced

Port type and quantity Fast Ethernet ports in total: 16; Gigabit Ethernet ports: 4

Type MSP32-16040SPZ999HHE2A06.0

Order No. MSP32-16040SPZ999HHE2A06.0

Classification

Belden brand Hirschmann

More interfaces

Power supply/signaling contact 2 x plug-in terminal block, 4-pin

V.24 interface 1 x RJ45 socket

USB interface 1 x USB to connect the AutoConfiguration Adapter ACA21/22-USB

Network size - cascading

Line - / star topology any

Power requirements

Operating voltage 48 VDC (47–57 VDC PoE oder 53–57 VDC PoE+)

Software

Management DNS Client; Dual Software Image Support; TFTP; SFTP; SCP; LLDP (802.1AB); LLDP-MED; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet

Diagnostics Management Address Conflict Detection; MAC Notification; Signal Contact; Device Status Indication; TCPDump; LEDs; Syslog; Persistent Logging on ACA; Email Notification; 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; RSPAN; SFLOW; VLAN Mirroring; System Information; Self-Tests on Cold Start; Copper Cable Test; 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; DHCP Server: per Port; DHCP Server: Pools per VLAN; AutoConfiguration Adapter ACA31 (SD card); 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

Security MAC-based Port Security; Port-based Access Control with 802.1X; Guest/unauthenticated VLAN; Integrated Authentication Server (IAS); RADIUS VLAN Assignment; RADIUS Policy Assignment; Multi-Client Authentication per Port; MAC Authentication Bypass; DHCP Snooping; IP Source Guard; Dynamic ARP Inspection; Automatic Denial-of-Service Prevention; LDAP; Ingress MAC-based ACL; Egress MAC-based ACL; Ingress IPv4-based ACL; Egress IPv4-based ACL; Time-based ACL; VLAN-based ACL; Ingress VLAN-based ACL; Egress VLAN-based ACL; ACL Flow-based Limiting; 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

Redundancy functions HIPER-Ring (Ring Switch); HIPER-Ring over Link Aggregation; Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); MRP over Link Aggregation; Sub Ring Manager; RSTP 802.1D-2004 (IEC62439-1); RSTP Guards

Time synchronisation PTPv2 Transparent Clock two-step; PTPv2 Boundary Clock; Buffered Real Time Clock; SNTP Client; SNTP Server

Miscellaneous Digital IO Management; PoE (802.3AF); PoE+ (802.3AT); PoE+ Manual Power Management; PoE Fast Startup; Manual Cable Crossing; Port Power Down

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; IP Ingress DiffServ Classification and Policing; IP Egress DiffServ Classification and Policing; Queue-Shaping / Max. Queue Bandwidth; Flow Control (802.3X); Egress Interface Shaping; Ingress Storm Protection; Jumbo Frames; VLAN (802.1Q); Protocol-based VLAN; VLAN



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	Unaware Mode; Voice VLAN; MAC-based VLAN; IP subnet-based VLAN; 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)
Ambient conditions	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %
Mechanical construction	
Dimensions (W x H x D)	313.8 mm x 147.2 mm x 141.75 mm
Width	313.8 mm
Height	147.2 mm
Depth	141.75 mm
Mounting	DIN Rail
Protection class	IP20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min; 1 g, 8.4–150 Hz, 10 cycles, 1 octave/min
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80-3000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	10 V (150 kHz-80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Basis Standard	C-Tick, CE, EN61131
Safety of information technology equipment	EN 60950-1 ,
Transportation	NEMA TS2
Country Approval	C-Tick
Scope of delivery and accessories	
Scope of delivery	Device, 2 x terminal block, operating manual, CD
Accessories to order separately	MICE Switch Power Media Modules MSM; Rail Power Supply RPS 30, RPS 60/48V EEC, RPS 80, RPS90/48V HV, RPS90/48V LV, RPS 120 EEC; USB Terminal cable; Auto Configuration Adapter (ACA21, ACA31); Industrial HiVision Network Management System; 19" Installation frame

For more information please contact:

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