



## Product information Managed Gigabit Ethernet RSP Switches - RSP35-0803306ZTSCCV9HPE2S06.0.

Industrial Ethernet:Power Rail Switches:RSP Switches:with HiOS 6.0/7.0:Managed Gigabit Ethernet RSP Switches

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<b>Name</b>	Managed Gigabit Ethernet RSP Switches
	
	Managed, Industrial Switch DIN Rail, fanless design. Fast Ethernet, Gigabit Uplink type. Enhanced Redundancy (PRP, Fast MRP, HSR).
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	Managed, Industrial Switch DIN Rail, fanless design. Fast Ethernet, Gigabit Uplink type. Enhanced Redundancy (PRP, Fast MRP, HSR).
<b>Port type and quantity</b>	11 Ports in total, thereof Fast Ethernet ports: 4 x SFP slots, 4x Twisted Pair / RJ45; therof Uplink ports: 3 x Gigabit Ethernet SFP slots (1000 MBit).
<b>Type</b>	RSP35-0803306ZTSCCV9HPE2S06.0.
<b>Order No.</b>	RSP35-0803306ZTSCCV9HPE2S06.0.
<b>More Interfaces</b>	
<b>Power supply/signaling contact</b>	2 x plug-in terminal block, 2-pin; 1 x plug-in terminal block, 2-pin
<b>V.24 interface</b>	1 x RJ11 socket
<b>SD-card slot</b>	1 x SD card slot to connect the auto configuration adapter ACA31
<b>Network size - length of cable</b>	
<b>Twisted pair (TP)</b>	0 m ... 100 m
<b>Multimode fiber (MM) 50/125 µm</b>	see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC
<b>Multimode fiber (MM) 62.5/125 µm</b>	see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC
<b>Single mode fiber (SM) 9/125 µm</b>	see SFP LWL-Modul M-SFP-LX/LC
<b>Single mode fiber (LH) 9/125 µm (long haul transceiver)</b>	see SFP LWL-Modul M-SFP-LH/LC and M-SFP-LH+/LC
<b>Network size - cascability</b>	
<b>Line - / star topology</b>	any
<b>Power requirements</b>	
<b>Operating voltage</b>	2 x 24/36/48 VDC (18-60 VDC)
<b>Software</b>	
<b>Management</b>	Dual Software Image Support; TFTP; SFTP; SCP; LLDP (802.1AB); LLDP-MED; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet
<b>Diagnostics</b>	Management Address Conflict Detection; MAC Notification; Signal Contact; Device Status Indication; TCPDump; LEDs; Syslog; Persistent Logging on ACA; 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; Copper Cable Test; SFP Management; Configuration Check Dialog; Switch Dump; Snapshot Configuration Feature
<b>Configuration</b>	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); HiDiscovery; DHCP Relay with Option 82; Command Line Interface (CLI); CLI Scripting; Full-featured MIB Support; Web-based Management; Context-sensitive Help
<b>Security</b>	MAC-based Port Security; Port-based Access Control with 802.1X; Guest/unauthenticated VLAN; Integrated Authentication Server (IAS); RADIUS VLAN Assignment; Automatic Denial-of-Service Prevention; VLAN-based ACL; Ingress VLAN-based ACL; Basic ACL; 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
<b>Redundancy functions</b>	Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); Fast MRP (IEC62439-2); High Availability Seamless Redundancy Protocol (HSR) (IEC62439-3); Parallel Redundancy Protocol (PRP) (IEC62439-3); RSTP 802.1D-2004 (IEC62439-1); RSTP Guards
<b>Industrial Profiles</b>	EtherNet/IP protocol, IEC61850 protocol (MMS Server, Switch Model), ModbusTCP, PROFINET IO Protocol
<b>Time synchronisation</b>	PTPv2 Transparent Clock two-step; PTPv2 Boundary Clock; Buffered Real Time Clock; SNTP Client; SNTP ServerPTPv2 Transparent Clock two-step; PTPv2 Boundary Clock; Buffered Real Time Clock; SNTP Client; SNTP Server
<b>Miscellaneous</b>	Port Power Down; Manual Cable Crossing



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<b>Switching</b>	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; Queue-Shaping / Max. Queue Bandwidth; Flow Control (802.3X); Egress Interface Shaping; Ingress Storm Protection; Jumbo Frames; VLAN (802.1Q); VLAN Unaware Mode; Voice 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)
<b>Ambient conditions</b>	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %
<b>Mechanical construction</b>	
Dimensions (W x H x D)	90 mm x 164 mm x 120 mm
Mounting	DIN Rail
Weight	1200 g
Protection class	IP30
<b>Mechanical stability</b>	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
<b>EMC interference immunity</b>	
EN 61000-4-2 electrostatic discharge (ESD)	8 kV contact discharge, 15 kV air discharge
EN 61000-4-3 electromagnetic field	35 V/m (80-2700 MHz); 1 kHz, 80% AM
EN 61000-4-4 fast transients (burst)	4 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, IEEE1613: power line 5 kV (line/earth)
EN 61000-4-6 conducted immunity	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)
EN 61000-4-16 mains frequency voltage	30 V, 50 Hz continuous; 300 V, 50 Hz 1 s
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
<b>Approvals</b>	
Basis Standard	CE,FCC,EN611131
Substation	IEC 61850-3,IEEE 1613
<b>Scope of delivery and accessories</b>	
Scope of delivery	Device, terminal block, operating manual

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