



Product information Managed Gigabit Ethernet RSP Switches - RSP30-0803306TTSCCZ9HSE2S06.0.

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

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| Name | Managed Gigabit Ethernet RSP Switches |
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| | Managed, Industrial Switch DIN Rail, fanless design. Fast Ethernet, Gigabit Uplink type. |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | Managed, Industrial Switch DIN Rail, fanless design. Fast Ethernet, Gigabit Uplink type. |
| Port type and quantity | 11 Ports in total, thereof Fast Ethernet ports: 8 x 10/100BASE TX / RJ45; thereof Uplink ports: 3 x Gigabit Ethernet SFP slots (1000 MBit). |
| Type | RSP30-0803306TTSCCZ9HSE2S06.0. |
| Order No. | RSP30-0803306TTSCCZ9HSE2S06.0. |
| More Interfaces | |
| Power supply/signaling contact | 2 x plug-in terminal block, 2-pin; 1 x plug-in terminal block, 2-pin |
| V.24 interface | 1 x RJ11 socket |
| SD-card slot | 1 x SD card slot to connect the auto configuration adapter ACA31 |
| Network size - length of cable | |
| Twisted pair (TP) | 0 m ... 100 m |
| Multimode fiber (MM) 50/125 µm | see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC |
| Multimode fiber (MM) 62.5/125 µm | see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC |
| Single mode fiber (SM) 9/125 µm | see SFP LWL-Modul M-SFP-LX/LC |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | see SFP LWL-Modul M-SFP-LH/LC and M-SFP-LH+/LC |
| Network size - cascability | |
| Line - / star topology | any |
| Power requirements | |
| Operating voltage | 2 x 24/36/48 VDC (18-60 VDC) |
| Software | |
| Management | 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; 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 |
| 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); 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; 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 |
| Redundancy functions | Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); RSTP 802.1D-2004 (IEC62439-1); RSTP Guards |
| Industrial Profiles | EtherNet/IP protocol, IEC61850 protocol (MMS Server, Switch Model), ModbusTCP, PROFINET IO Protocol |
| Time synchronisation | 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 |
| Miscellaneous | Port Power Down; Manual Cable Crossing |
| 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; Queue-Shaping / Max. Queue Bandwidth; Flow Control (802.3X); Egress Interface Shaping; Ingress Storm Protection; |



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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)

Ambient conditions

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| Operating temperature | 0 °C ... 60 °C |
| Storage/transport temperature | -40 °C ... 70 °C |
| Relative humidity (non-condensing) | 10 % ... 95 % |

Mechanical construction

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|------------------------|-------------------------|
| Dimensions (W x H x D) | 90 mm x 164 mm x 120 mm |
| Mounting | DIN Rail |
| Weight | 1200 g |
| Protection class | IP30 |

Mechanical stability

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|-------------------------|---|
| 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 |

EMC interference immunity

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| 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 |

EMC emitted immunity

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|-------------------|----------------------------|
| FCC CFR47 Part 15 | FCC 47 CFR Part 15 Class A |
| EN 55022 | EN 55022 Class A |

Approvals

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| Basis Standard | CE,FCC,EN611131 |
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Scope of delivery and accessories

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| Scope of delivery | Device, terminal block, operating manual |
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