



Product: RS30-0802O6O6SDAE

Configurator: RS20/30/40 Managed Switches

Configurator Description

Fast Ethernet Ports with/without PoE The RS20 compact OpenRail managed Ethernet switches can accommodate from 4 to 25 port densities and are available with different Fast Ethernet uplink ports – all copper, or 1, 2 or 3 fiber ports. The fiber ports are available in multimode and/or singlemode. Gigabit Ethernet Ports with/without PoE The RS30 compact OpenRail managed Ethernet switches can accommodate from 8 to 24 port densities with 2 Gigabit ports and 8, 16 or 24 Fast Ethernet ports. The configuration includes 2 Gigabit ports with TX or SFP slots. The RS40 compact OpenRail managed Ethernet switches can accommodate 9 Gigabit ports. The configuration includes 4 x Combo Ports (10/100/1000BASE TX RJ45 plus FE/GE-SFP slot) and 5 x 10/100/1000BASE TX RJ45 ports

Technical Specifications

Product description

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|------------------------|---|
| Description | Managed Gigabit / Fast Ethernet industrial switch for DIN rail, store-and-forward-switching, fanless design ; Software Layer 2 Enhanced |
| Part Number | 943434031 |
| Port type and quantity | 10 ports in total: 8 x standard 10/100 BASE TX, RJ45 ; Uplink 1: 1 x Gigabit SFP-slot ; Uplink 2: 1 x Gigabit SFP-Slot |

More Interfaces

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|--------------------------------|---|
| Power supply/signaling contact | 1 x plug-in terminal block, 6-pin |
| V.24 interface | 1 x RJ11 socket |
| USB interface | 1 x USB to connect auto-configuration adapter ACA21-USB |

Network size - length of cable

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|---|---|
| Twisted pair (TP) | Port 1 - 8: 0 - 100 m |
| Single mode fiber (SM) 9/125 µm | Uplink 1: cf. SFP modules M-SFP \ \ Uplink 2: cf. SFP modules M-SFP |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | Uplink 1: cf. SFP modules M-SFP \ \ Uplink 2: cf. SFP modules M-SFP |
| Multimode fiber (MM) 50/125 µm | Uplink 1: cf. SFP modules M-SFP \ \ Uplink 2: cf. SFP modules M-SFP |
| Multimode fiber (MM) 62.5/125 µm | Uplink 1: cf. SFP modules M-SFP \ \ Uplink 2: cf. SFP modules M-SFP |

Network size - cascading

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|---|------------------------------------|
| Line - / star topology | any |
| Ring structure (HIPER-Ring) quantity switches | 50 (reconfiguration time 0.3 sec.) |

Power requirements

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|----------------------------|--|
| Operating Voltage | 12/24/48V DC (9,6-60)V and 24V AC (18-30)V (redundant) |
| Power consumption | max. 8.9 W |
| Power output in BTU (IT)/h | max. 30.4 |

Software

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|-------------|---|
| Switching | 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), VLAN (802.1Q), IGMP Snooping/Querier (v1/v2/v3) |
| Redundancy | HIPER-Ring (Manager), HIPER-Ring (Ring Switch), Media Redundancy Protocol (MRP) (IEC62439-2), Redundant Network Coupling, RSTP 802.1D-2004 (IEC62439-1), RSTP Guards, RSTP over MRP |
| Management | TFTP, LLDP (802.1AB), V.24, HTTP, Traps, SNMP v1/v2/v3, Telnet |
| Diagnostics | Management Address Conflict Detection, Address Relearn Detection, Signal Contact, Device Status Indication, LEDs, Syslog, Duplex Mismatch Detection, RMON (1,2,3,9), Port Mirroring 1:1, Port Mirroring 8:1, System Information, Self-Tests on Cold Start, SFP Management, Switch Dump |

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|----------------------|--|
| Configuration | AutoConfiguration Adapter ACA11 Limited Support (RS20/30/40, MS20/30), Automatic Configuration Undo (roll-back), Configuration Fingerprint, BOOTP/DHCP Client with Auto-Configuration, AutoConfiguration Adapter ACA21/22 (USB), HiDiscovery, DHCP Relay with Option 82, Command Line Interface (CLI), Full-featured MIB Support, Web-based Management, Context-sensitive Help |
| Security | IP-based Port Security, MAC-based Port Security, Access to Management restricted by VLAN, SNMP Logging, Local User Management, Password change on first login |
| Time synchronisation | SNTP Client, SNTP Server |
| Industrial Profiles | EtherNet/IP Protocol, PROFINET IO Protocol |
| Miscellaneous | Manual Cable Crossing |
| Presettings | Standard |

Ambient conditions

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

Mechanical construction

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|--------------------|-------------------------|
| Dimensions (WxHxD) | 74 mm x 131 mm x 111 mm |
| Weight | 410 g |
| Mounting | DIN Rail |
| Protection class | IP20 |

Mechanical stability

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|-------------------------|---|
| 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 |
| IEC 60068-2-27 shock | 15 g, 11 ms duration, 18 shocks |

EMC interference immunity

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| EN 61000-4-2 electrostatic discharge (ESD) | 6 kV contact discharge, 8 kV air discharge |
| EN 61000-4-3 electromagnetic field | 10 V/m (80-1000 MHz) |
| EN 61000-4-4 fast transients (burst) | 2 kV power line, 1 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 | 3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz) |

EMC emitted immunity

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|-------------------|----------------------------|
| EN 55032 | EN 55032 Class A |
| FCC CFR47 Part 15 | FCC 47CFR Part 15, Class A |

Approvals

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| Basis Standard | CE, FCC, EN61131 |
| Safety of industrial control equipment | cUL 508 |
| Hazardous locations | cULus ISA12.12.01 class1 div.2 (cUL 1604 class1 div.2) |

Scope of delivery and accessories

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|-------------------|--|
| Accessories | Rail Power Supply RPS30, RPS60, RPS90 or RPS120, Terminal Cable, Network Management Software Industrial HiVision, Auto configuration adapter (ACA21-USB), 19"-DIN rail adapter |
| Scope of delivery | Device, terminal block, General safety instructions |

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