

Product information

RSPE Switches - RSPE30-2404407T99-SCCZ999HHSE2S04.0.

Industrial Ethernet:Power Rail Switches:RSPE Switches:RSPE Switches

<http://e-catalog.hirschmann.com/link/57078-24455-202442-411805-411930/en/RSPE30-2404407T99-SCCZ999HHSE2S04.0/uistate>

Name RSPE Switches	
	
	Managed Fast/Gigabit Industrial Ethernet Switch, fanless design, 24x 10/100 Mbit/s Ethernet Ports, 4x 10/100/1000 Mbit/s Ethernet Ports, 4x FE/GE Combo ports, HiOS Layer 2 Standard
Delivery informations	
Availability	available
Product description	
Description	Managed Fast/Gigabit Industrial Ethernet Switch, fanless design, 24x 10/100 Mbit/s Ethernet Ports, 4x 10/100/1000 Mbit/s Ethernet Ports, 4x FE/GE Combo ports, HiOS Layer 2 Standard
Port type and quantity	4x GE plus 24 FE ports, Ports in total up to 28 Basic unit: 4x FE/GE Combo ports plus 8 FE TX ports expandable with two slots for media modules with 8 FE ports each, 16 fiber ports: 4 GE/FE basic unit plus 12 FE with media modules
Type	RSPE30-2404407T99-SCCZ999HHSE2S04.0.
Order No.	RSPE30-2404407T99-SCCZ999HHSE2S04.0.
More Interfaces	
Power supply/signaling contact	2x plug-in terminal block 2-pins, 1x plug-in terminal block 2-pins
V.24 interface	1 x RJ11 socket
SD-card slot	to connect auto-configuration adapter ACA22 (USB) or ACA31 (SD-card)
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Multimode fiber (MM) 50/125 µm	see SFP modules
Multimode fiber (MM) 62.5/125 µm	see SFP modules
Single mode fiber (SM) 9/125 µm	see SFP modules
Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP modules
Network size - cascading	
Line - / star topology	any
Ring structure, quantity switches	MRP, RSTP
Power requirements	
Operating voltage	2x 24 - 48 VDC (18 - 60 VDC)
Power consumption	maximum 36W depending on fiber port count
Software	
Management	Serial interface V.24 web-interface, Telnet, SSHv2, HTTP, HTTPS, TFTP, SCP, SFTP, SNMP v1/v2/v3, Traps, LLDP-MED, SSH client
Diagnostics	LED, persistent logging, syslog, signal contact, device status indication, port mirroring N:1, RMON (1,2,3,9), TCPDump, LLDP, SFP management (temperature, optical input and output power), switch dump, configuration check dialog, system information, self tests on cold start, Management Address Conflict Detection, Copper cable test, Port Monitor, duplex mismatch detection, snapshot configuration feature, SFLOW
Configuration	Command line interface (CLI), WEB based management, fully featured MIB support, BOOTP/DHCP client with auto configuration, DHCP option 82, DHCP server per port and pool per VLAN, HiDiscovery, auto-configuration adapter ACA31 and ACA21, Automatic configuration undo (roll-back), text based configuration file, CLI scripting, Telnet
Security	Enhanced encryption (>56 Bit, up to 256Bit DES) Management access; MAC based port security, Port-based access control with 802.1x, 802.1x enhancements with Guest/Unauthenticated VLAN and RADIUS VLAN assignment, Integrated Authentication Server (IAS), Basic wired-speed Ingress ACLs (MAC,IPv4) per port and per VLAN, Automatic Denial-of-Service Prevention, Restricted Management Access (ACLs), Different privilege levels, configurable password policies, configurable number of login attempts, account locking, HTTPS certificate management, CLI/SNMP logging, Security Status Monitor, Audit Trail, Remote Authentication via RADIUS, Local User Management
Redundancy functions	default Standard, MRP (Media Redundancy Protocol IEC62439-2), RSTP 802.1D-2004 (IEC62439-1), Link Aggregation (2 LAG), Link backup



HIRSCHMANN

A BELDEN BRAND

Industrial Ethernet:Power Rail Switches:RSPE Switches:RSPE Switches

<http://e-catalog.hirschmann.com/link/57078-24455-202442-411805-411930/en/RSPE30-2404407T99-SCCZ999HHSE2S04.0/uistate>

Filter	QoS (8 classes), CoS queue management, interface trust mode, TOS/DSCP prioritization, port priority (IEEE802.1D/p), VLAN (IEEE802.1Q), Voice VLAN, IGMP snooping/querier per VLAN (v1/v2/v3), unknown multicast filtering, independent VLAN learning, static unicast/multicast address entries, fast aging, MVRP (Multiple VLAN Registration Protocol), MMRP (Multiple MAC Registration Protocol), MRP (Multiple Registration Protocol)
Industrial Profiles	IEC61850 protocol (MMS Server, Switch Model)
Time synchronisation	PTPv2 TC two-step, SNTP server and client, Buffered RTC
Flow control	Flow control (IEEE802.3X), egress interface shaping, ingress storm protection, Queue-Shaping / max. Queue Bandwidth
Miscellaneous	Port power down, cable crossing, dual software image support, VLAN unaware mode, access to management restricted by VLAN
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)	209 mm x 164 mm x 120 mm
Mounting	DIN Rail
Weight	2.2kg plus media modules
Protection class	IP30
Mechanical stability	
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	
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), 2 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	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	EN61131, EN 60950
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual

For more information please contact:

Hirschmann Automation and Control GmbH

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: inet-sales@belden.com

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.