RS30 Compact OpenRail Managed Ethernet Switches

Gigabit Ethernet Uplink Ports with/without PoE and Full Gigabit Ethernet Ports

The RS30 compact OpenRail managed Ethernet switches can accomodate from 8- to 24-port densities with 2 Gigabit Ports and 8- 16- or 24- Fast Ethernet Uplink Ports. The Full Gigabit configuration inlcudes 9 Gigabit ports, 2 x SFP Combo GE Type 1 Uplink Ports and 2 x SFP Combo GE Type 2 Uplink Ports.

Technical Information

Product Description		
Type	RS30 Series 8 Ports	RS30 Series 16 and 24 Ports
Available Ports	8 to 24	
Construction		
Mounting	DIN Rail	
Protection Class	IP20	
Dimensions (W x H x D)	74 x 131 x 111 mm	110 x 131 x 111 mm
Weight	410 g	630 g
Ambient Conditions		
Operating Temperature	0°C to +60°C, -40°C to +70°C, or -40°C to +70°C (optional Conformal Coating)	
Storage/Transport Temperature	-40°C to +70°C	
Relative Humidity (non-condensing)	10% to 95%	
Conformal Coating	Yes (variant dependent)	
Interfaces		
V.24 Interface	1 x RJ11 Socket	
USB Interface	1 x USB (ACA21-USB Adaptor)	
Power Requirements		
Operating Voltage	12/24/48 V DC (9.6 to 60 V) and 24 V AC (18 to 30 V) (redundant)	
Regulatory Approvals		
Safety of Industrial Control Equipment	cUL508	
Hazardous Locations	ISA12.12.01 Class 1 Div 2	
Germanischer Lloyd	Germanischer Lloyd	
Transportation	NEMA TS2	
Railway (track)	EN 50121-4	
Substation	IEC 61850-3, IEEE 1613	
Reliability		
MTBF Range	30.6 to 51.9 years	22.9 to 39.1 years
Warranty	5 years standard	

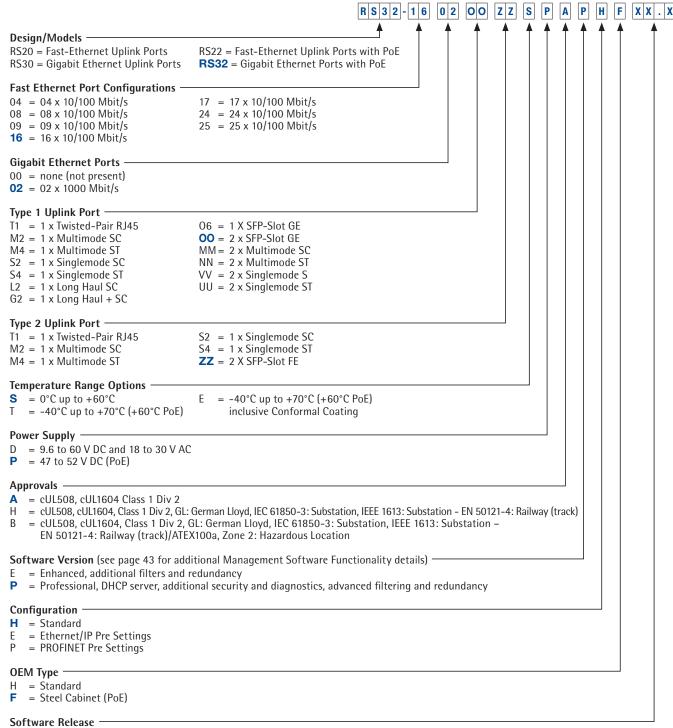**NOTE:** These are the prominent technical specifications. For complete technical specifications visit: www.hirschmann.com

RS20/RS22/RS30/RS32 Compact OpenRail Managed Ethernet Switch Configurations

Fast Ethernet Uplink Ports/Fast Ethernet Uplink Ports with PoE
Gigabit Ethernet Uplink Ports/Gigabit Ethernet Uplink Ports with PoE

`R S 3 2 - 1 6   0 2   O O   Z Z   S   P   A   P   H   F   X X . X`

Design/Models
RS20 = Fast–Ethernet Uplink Ports   RS22 = Fast–Ethernet Uplink Ports with PoE
RS30 = Gigabit Ethernet Uplink Ports   **RS32** = Gigabit Ethernet Ports with PoE

Fast Ethernet Port Configurations
04 = 04 x 10/100 Mbit/s   17 = 17 x 10/100 Mbit/s
08 = 08 x 10/100 Mbit/s   24 = 24 x 10/100 Mbit/s
09 = 09 x 10/100 Mbit/s   25 = 25 x 10/100 Mbit/s
16 = 16 x 10/100 Mbit/s

Gigabit Ethernet Ports
00 = none (not present)
02 = 02 x 1000 Mbit/s

Type 1 Uplink Port
T1 = 1 x Twisted–Pair RJ45   O6 = 1 X SFP–Slot GE
M2 = 1 x Multimode SC   **OO** = 2 x SFP–Slot GE
M4 = 1 x Multimode ST   MM = 2 x Multimode SC
S2 = 1 x Singlemode SC   NN = 2 x Multimode ST
S4 = 1 x Singlemode ST   VV = 2 x Singlemode S
L2 = 1 x Long Haul SC   UU = 2 x Singlemode ST
G2 = 1 x Long Haul + SC

Type 2 Uplink Port
T1 = 1 x Twisted–Pair RJ45   S2 = 1 x Singlemode SC
M2 = 1 x Multimode SC   S4 = 1 x Singlemode ST
M4 = 1 x Multimode ST   **ZZ** = 2 X SFP–Slot FE

Temperature Range Options
S = 0°C up to +60°C   E = –40°C up to +70°C (+60°C PoE)
T = –40°C up to +70°C (+60°C PoE)   inclusive Conformal Coating

Power Supply
D = 9.6 to 60 V DC and 18 to 30 V AC
P = 47 to 52 V DC (PoE)

Approvals
A = cUL508, cUL1604 Class 1 Div 2
H = cUL508, cUL1604, Class 1 Div 2, GL: German Lloyd, IEC 61850-3: Substation, IEEE 1613: Substation - EN 50121-4: Railway (track)
B = cUL508, cUL1604, Class 1 Div 2, GL: German Lloyd, IEC 61850-3: Substation, IEEE 1613: Substation –
     EN 50121-4: Railway (track)/ATEX100a, Zone 2: Hazardous Location

Software Version (see page 43 for additional Management Software Functionality details)
E = Enhanced, additional filters and redundancy
P = Professional, DHCP server, additional security and diagnostics, advanced filtering and redundancy

Configuration
H = Standard
E = Ethernet/IP Pre Settings
P = PROFINET Pre Settings

OEM Type
H = Standard
F = Steel Cabinet (PoE)

Software Release
XX.X = Current Software Release

NOTE: The last three part number categories (**Configuration, OEM Type** and **Software Release**) are optional.