

MSP40/MSP42/MSP30/MSP32 Managed Modular DIN Rail Mount Switches



MSP40/MSP42/MSP30/MSP32 MICE Switch Power

The Hirschmann MSP40/MSP30 Layer 3 switch extends the unique security functions of the MSP40/MSP30 family to include high-performance routing. This functionality is offered in a variety of hardware packages. Unicast dynamic routing (UR) and multicast dynamic routing (MR) offer customers an attractive cost benefit – “Just pay for what you need.” With its existing modular IPv6-ready hardware, the MSP40/MSP30 Layer 3 switch enables complete solutions that meet all network requirements.



Technical Information

Product Description		
Type	MSP40/MSP30-Series	MSP42/MSP32-Series
Available Ports	12, 20, 28 x Gigabit ports (variant dependent)	
Enhanced Redundancy Functions	MRP	
Construction		
Mounting	DIN Rail	
Protection Class	IP30	
Dimensions (WxHxD)	236.6/313.8/391 x 147.2 x 141.75 mm (variant dependent)	
Weight	2100/2400/2650 g (variant dependent)	2200/2500/2750 g (variant dependent)
Ambient Conditions		
Operating Temperature	0 °C to +60 °C, -40 °C to +70 °C or -40 °C to +70 °C (inclusive Conformal Coating), IEC 60068-2-2 Dry Heat Test	
Storage/Transport Temperature	-40 °C to +85 °C	
Relative Humidity (non-condensing)	5% to 95%	
Conformal Coating	Yes (variant dependent)	
Interfaces		
V.24 Interface	1 x RJ45 socket	
USB Interface	1 x USB socket (to connect auto-configuration adapter ACA21-USB)	
SD Interface	1 x SD socket (to connect auto-configuration adapter ACA31-SD)	
Software		
Supported HiOS Software Levels	Layer 2 Advanced (L2A), Layer 3 Advanced (L3A)	
Power Requirements		
Operating Voltage	24/36/48 V DC redundant	
PoE (802.3af) Ports Supported	n/a	integrated PoE Plus function with up to 120 W
PoE Plus (802.3at) Ports Supported	n/a	integrated PoE Plus function with up to 120 W
Regulatory Approvals		
Safety of Industrial Control Equipment	cUL508	
Hazardous Locations	ISA-12.12.-01 Class 1 Div. 2 Group A, B, C, D – Haz. Loc (pending), ATEX-95 Approval, Category 3G (Zone 2), Group IIC, T4, “nA” (pending)	
Ship	Germanischer Lloyd (pending)	
Transportation	NEMA TS2 (pending)	
Railway (norm)	EN 50121-4 (pending)	
Substation	IEC 61850-3, IEEE 1613 (pending)	
Reliability		
MTBF Range	www.hirschmann.com	
Warranty	5 years standard	

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



MSP MICE Switch Power Configurations

2.5 Gigabit/Gigabit Ethernet Uplink Ports, Gigabit Ethernet Uplink Ports with PoE+ Capability

MSP40-00280SCZ999HH E3A.XX.X

Design

MSP40 = Full Gigabit Ethernet Ports
 MSP42 = Full Gigabit Ethernet Ports with PoE(+) Capability
 MSP30 = Gigabit Ethernet Uplink Ports
 MSP32 = Gigabit Ethernet Uplink Ports with PoE(+) Capability

Number of Fast Ethernet Ports

00 = 00 x 10/100 Mbit/s (MSP40/MSP42)
 08 = 08 x 10/100 Mbit/s
 16 = 16 x 10/100 Mbit/s
 24 = 24 x 10/100 Mbit/s

Number of Gigabit Ethernet Ports

00 = 00 x 10/100/1000 Mbit/s
 12 = 12 x 10/100/1000 Mbit/s (MSP40/MSP42)
 20 = 20 x 10/100/1000 Mbit/s (MSP40/MSP42)
28 = 28 x 10/100/1000 Mbit/s (MSP40/MSP42)

Number of 10 Gigabit Ethernet Ports

0 = 10/100/1000/10000 Mbit/s

Temperature Range

S = Standard 0 °C to +60 °C
 T = Extended -40 °C to +70 °C
 E = Extended -40 °C to +70 °C with conformal coating

Power Supply

C = 24/36/48 V DC (18 to 60 V DC)
 P = 47 to 57 V DC (PoE), 53 to 57 V DC (PoE+)

Approvals

Z9 = CE, FCC, EN 61131 (EN 60950)	VT = VY + EN50121-4
Y9 = Z9 + cUL508 (UL60950)	T9 = Z9 + EN50121-4
W9 = Z9 + ATEX Zone 2	TY = T9 + cUL508 (UL60950)
WY = Y9 + ATEX Zone 2	U9 = Z9 + GL (ABS, BV, DNS, LR)
X9 = Y9 + ISA 12.12.01 Class 1 Div. 2	UY = U9 + cUL508 (UL60950)
V9 = Z9 + IEC 61850, IEEE 1613	UW = UY + ATEX Zone 2
VY = V9 + cUL508 (UL60950)	UX = UY + ISA 12.12.01 Class 1 Div. 2
VU = VY + GL (ABS, BV, DNS, LR)	

Software Packages

99 = Reserved
 UR = Unicast Routing
 MR = Multicast Routing

Customization

HH = Hirschmann Standard
 HX = Hirschmann Extreme

Software Configuration

E = Entry (Hirschmann Standard Configuration)

Software Level

3A = HiOS Layer 3 Advanced
 2A = HiOS Layer 2 Advanced

Software Release

XX.X = Current Software Release 06.2 = Software Release for MSP40/MSP42

NOTE: The last four categories (**Customization**, **Software Configuration**, **Software Level** and **Software Release**) are optional.