



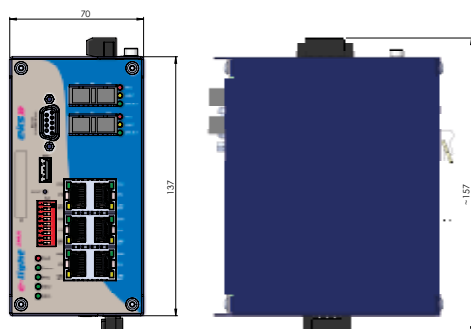
EL100-2MA

8-PORT SWITCH MANAGED

EL100-2MA is an 8 port switch that features ring function based on the Media Redundancy Protocol (MRP) with a recovery time of less than 300 ms.

They are available with up to 4 flexibly configurable FX-ports and up to 6TX-ports. The Fast Ethernet switches with their industrial design are useable in a wide temperature range of -25 °C to +55 °C and are suitable for both DIN rail mounting and wall fastening.

The EL100-2MA highlights are amongst others: Web Management GUI, Port Mirroring, DHCP Client, IGMP, SNMP, SMTP, port and tagged based VLAN, SNMP, RMON, quality of service as well as an alarm relay output for system events. Additional features are Auto-Negotiation, MDX/MDIX and redundant power supply with an input voltage range from 12 VDC to 60 VDC.



Typ	8TX	P-ST	H-ST	MM-ST	MM-SC	MM-SC/BIDI	SM-ST	SM-SC	SM-E2	SM-SC/BIDI
Article no. EL100-2MA 8TX	041000100 0000 E	-	-	-	-	-	-	-	-	-
Article no. EL100-2MA 6TX/2FX	-	on request	on request	041000100 3131 E	041000100 3333 E	on request	041000100 5151 E	041000100 5353 E	041000100 5555 E	on request
Article no. EL100-2MA 4TX/4FX	-	on request	on request	041000100 31313131 E	041000100 33333333 E	on request	041000100 51515151 E	041000100 53535353 E	041000100 55555555 E	on request
FO connector	-	ST	ST	ST	SC	SC	ST	SC	E-2000	SC
Fiber type	-	POF 980/1000 µm	HCS 200/230 µm	Multimode 62.5 (50)/125 µm			Singlemode 9/125 µm			
Optical budget	-	12 dB	8 dB	12 dB			16 dB			
FO range	-	50 m (180 dB/km)	200 m (180 dB/km)	5 km (1 dB/km)			30 km, others up to 100 km on request (0.3 dB/km)			
Wavelength	-	650 nm	850 nm	1310 nm		1310 nm 1550 nm	1310 nm			1310 nm 1550 nm
TX-Port	1 x RJ45 / Auto-Negotiation / Auto MDI/MDI-X / Supports length up to 100 m (CAT 6)									
IEEE	IEEE 802.3 10Base-T Ethernet / IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet / IEEE802.3x Flow Control and Back-pressure / IEEE802.1d spanning tree / IEEE802.1w rapid spanning tree / IEEE802.1p class of service / IEEE802.1Q VLAN Tag									
Management	SNMP Management / Web-Interface Management									
SNMP MIB	RFC 1213 MIBII / RFC 1493 Bridge MIB / RMON RFC 1757 / RFC 2674 VLAN MIB / RFC 1643 Ethernet such as MIB / RFC 1215 Trap MIB / Private MIB for switch information, Ring, port alarm, TFTP firmware update, reset, port mirror, IP security management, IGMP management MIB									
Switching-Technology	Store and Forward									
MAC-Address-tables	2K MAC-Address-tables									
Ring	MRP / 2 Ring ports / ring recovery time: 300 ms or less									
VLAN	Port Based VLAN / Tagged VLAN IEEE 802.1Q									
IGMP	IGMP v1 and query mode with up to 256 groups									
SNTP / SMTP	SNTP for time synchronisation / SMTP server and email for alarms									
Port Mirror	only TX packets or TX and RX packets									
Firmware-Update	TFTP firmware update, TFTP backup and backup									
Rate Control	Ingress and egress with combination possibilities									
DHCP Client	DHCP client function									
Status-LEDs	Power (green) / failure (red) / Port LEDs (yellow/green); FX Ports ring (green) / status (yellow) / fault (red)									
Power supply	12-60 VDC									
Alarm contact	2 failure relays configurable / 25 VDC (1 A) / 60 VDC (0.3 A) each									
Power consumption	8 Watts, 330 mA (24 V)									
Potential separation	500 VDC									
Operating temperature	-40 °C – +55 °C (Multimode and Singlemode with ST or SC) / -20 °C – +55 °C (all others)									
EMC	EN61000-6-2/EN55022 Class B + A1 + A2									
Weight	850 g									
Dimensions	157 x 70 x 130 mm									
Housing	Stainless steel, powder coated									