

Managed Ethernet Switches

Red Lion's rugged, reliable managed industrial Ethernet switches support industry-standard applications. These hardened switches are ideally suited for harsh industrial environments where real-time performance under extreme operating conditions is required. Built-in redundancy and network management ensure communications stay up and running while providing tools for monitoring and tracking.

- > Layer 2 managed industrial Ethernet switches
- > Rugged enclosure supports deployment in extreme environments
- > Powerful network management
- > Gigabit copper, fiber and SFP options



Managed Ethernet Switch Comparison

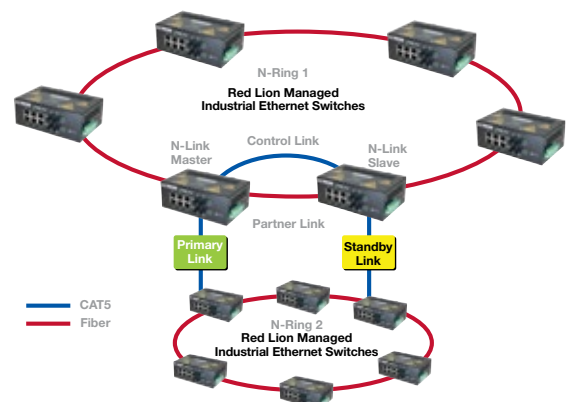
SWITCH MODELS	HAZARDOUS LOCATION		MARITIME	SUBSTATION	RAIL	MAX PORTS	NETWORK REDUNDANCY	CIP MESSAGING	16KV SURGE SUPPRESSION	MOUNTING
	UL CLASS 1, DIVISION 2	ATEX	ABS	IEC 61850 IEEE 1613	EN 50155					
NT24k® Managed	X		X		O	24	N-Ring™/N-Link™/RSTP	X	X	DR & RM
700 Managed	X	O	X	O	O	16	N-Ring/N-Link/RSTP	X	X	DR
7000 Managed	X	O	X	O	O	26	N-Ring/N-Link/RSTP	X	X	DR & RM
SLX Managed	X		X			18	Real-Time Ring/RSTP			DR & PM
EL Managed	X	X				26	Real-Time Ring/RSTP			PM
Legend:	X - All models		O - Some models		DR - DIN-rail		PM - Panel Mount		RM - Rackmount	

Network Healing Technologies

N-Ring® is a proprietary high-speed ring technology that provides consistent healing times of ~20 milliseconds (ms) for up to 250 switches. **N-Link®** provides the ability to link two N-Rings for network redundancy.

Real-Time Ring is a highly-reliable, proprietary ring technology from Sixnet offering 30 ms healing time plus 5 ms per hop.

Rapid Spanning Tree Protocol (RSTP) IEEE 802.1w is an industry standard protocol providing ~2-3 second recovery time and offers a solution for multi-vendor Ethernet networks.



700 & 7000 Managed Ethernet Switches

- > Plug-and-play deployment with IGMP auto-configuration
- > N-View monitoring provides real-time switch diagnostics
- > Ideally suited to use as N-Ring or N-Link manager



MODEL NUMBER		TYPE	TOTAL PORTS	FAST ETHERNET		GIGABIT ETHERNET		MOUNTING & CASE	OPERATING TEMP
				10/100 COPPER	100 FIBER	10/100/ 1000 COPPER	GIG SFP		
700	708TX	Managed	8	8	-	-	-	DIN-Rail – Metal	-40° to 85°C
	708FX2	Managed	8	6	2	-	-	DIN-Rail – Metal	-40° to 85°C
	709FX*	Managed	9	8	1	-	-	DIN-Rail – Metal	-40° to 70°C
	710FX2*	Managed	10	8	2	-	-	DIN-Rail – Metal	-40° to 70°C
	711FX3*	Managed	11	8	3	-	-	DIN-Rail – Metal	-40° to 70°C
	712FX4*	Managed	12	8	4	-	-	DIN-Rail – Metal	-40° to 70°C
	714FX6	Managed	14	8	6	-	-	DIN-Rail – Metal	-40° to 70°C
	716TX	Managed	16	16	-	-	-	DIN-Rail – Metal	-40° to 70°C
7000	716FX2	Managed	16	14	2	-	-	DIN-Rail – Metal	-40° to 70°C
	7010TX	Managed	10	8	-	-	Up to 2	DIN-Rail – Metal	-40° to 70°C
	7012FX2*	Managed	12	8	2	-	Up to 2	DIN-Rail – Metal	-40° to 70°C
	7018TX	Managed	18	16	-	-	Up to 2	DIN-Rail – Metal	-40° to 70°C
	7018FX2	Managed	18	14	2	-	Up to 2	DIN-Rail – Metal	-40° to 70°C
	7026TX	Managed	26	24	-	-	Up to 2	Rackmount – Metal	-40° to 80°C
	7026TX-AC	Managed	26	24	-	-	Up to 2	Rackmount – Metal	-40° to 80°C
	7506GX2 (All Gigabit)	Managed	6	-	-	4	Up to 2	DIN-Rail – Metal	-40° to 80°C
7900 (Modular)		Managed	26	Up to 24	Up to 16	-	Up to 2	DIN-Rail – Metal	-20° to 70°C

*KEMA approved IEC 61850-3 and IEEE 1613 HV models available.

Fiber models available in multimode and singlemode configurations with SC or ST fiber connectors.

SFP ports support 1000Base SFP transceivers, which are sold separately.

SLX Managed Ethernet Switches

- > Versatile networking solutions with copper and fiber models
- > Real-time Modbus over Ethernet monitoring
- > Fast Ethernet and Gigabit port options
- > DIN-rail or panel mounting options



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			10/100 COPPER	100 FIBER	10/100/1000 COPPER	GIG SFP		
SLX-5MS-1	Managed	5	5	-	-	-	DIN-Rail – Metal	-40° to 75°C
SLX-5MS-4/5	Managed	5	3	2	-	-	DIN-Rail – Metal	-40° to 75°C
SLX-5MS-MDM-1	Managed	5	5	-	-	-	DIN-Rail – Metal	-40° to 75°C
SLX-8MS-1	Managed	8	8	-	-	-	DIN-Rail – Metal	-40° to 75°C
SLX-8MS-4/5/8/9	Managed	8	4 or 6	2 or 4	-	-	DIN-Rail – Metal	-40° to 75°C
SLX-8MG-1 (All Gigabit)	Managed	8	-	-	8	Up to 4 Combo Ports	DIN-Rail – Metal	-40° to 75°C
SLX-10MG-1	Managed	10	7	-	3	Up to 2 Combo Ports	DIN-Rail – Metal	-40° to 75°C
SLX-16MS-1	Managed	16	16	-	-	-	DIN-Rail – Metal	-40° to 75°C
SLX-18MG-1	Managed	18	16	-	2	Up to 2 Combo Ports	DIN-Rail – Metal	-40° to 75°C

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