

Sixnet Series Board-Level Switches

MODEL NUMBER	TYPE	TOTAL PORTS	FAST ETHERNET		GIGABIT ETHERNET		SIZE
			10/100	100 FIBER	10/100/1000	GIG FIBER	
ET-5MS-OEM	Managed	6	Up to 6	Up to 1	-	-	Ultra-compact 2.5 x 3.5"
ET-8MS-OEM	Managed	10	8	Up to 2	Up to 2	Up to 2	Standard PC/104 3.6 x 3.8"
ET-8MG-OEM-F	Managed	Up to 8	Up to 8	Up to 8	Up to 8	Up to 8	Standard PC/104 3.6 x 3.8"

Wireless & Wired Routers

Red Lion's feature rich N-Tron and Sixnet series wireless and wired routers offer the broadest range of cellular M2M routers, Wi-Fi radios, wired routers and converters on the market today. Many of these solutions increase network security and reliability; and can be integrated to provide primary or back-up connectivity for a range of industrial applications. Wireless connectivity provides a simple, reliable and cost-effective method to monitor and control remote assets. Our Wi-Fi radios offer standard powerful transceivers extending network ranges well beyond that of most commercial wireless products.

- > Wi-Fi Radios
- > Wired Router
- > Cellular M2M Routers



▶▶▶ Wi-Fi Radios

Red Lion's family of IEEE802.11a,b,g,n hardened wireless products provide a powerful solution for industrial applications. Data bandwidths up to 300 Mb/s can be attained using the 802.11n MIMO wireless technology. Our wireless radios offer standard powerful transceivers extending network ranges well beyond that of most commercial wireless products.

- > IEEE 802.11a,b,g,n compliant
- > Support data bandwidths up to 300Mb/s
- > Configurable as: Wireless Station, Station WDS, Access Point, Access Point WDS
- > Operate in bridge or router mode



N-Tron Series 702 Wi-Fi Radios

MODEL NUMBER	TYPE	TOTAL PORTS	FAST ETHERNET		GIGABIT ETHERNET		INGRESS PROTECT	MOUNTING & CASE	OPERATING TEMP
			10/100	100 FIBER	10/100/1000	GIG FIBER			
702-W	Managed	1	1	-	-	-	IP30	DIN rail – Metal	-40° to 80° C
702M12-W	Managed	1	1 M12	-	-	-	IP67	DIN rail – Metal	-40° to 80° C

▶▶▶ Wired Router

Red Lion's Sixnet series RAM® 6021 industrial wired routers offer secure and reliable communication to remotely deployed assets. The rugged RAM 6021 routers are ideal for connecting to Modbus or DNP3 devices such as SCADA servers, PLCs and other automation equipment located in harsh environments.



MODEL NUMBER	PRODUCT LINE	SERIAL RS232	ETHERNET 10/100	POWER CONNECTOR
RAM-6021	RAM	1	5 (LAN/WAN)	DC powered

▶▶▶ Cellular M2M Routers

Red Lion offers the broadest range of M2M routers available on the market today featuring standards-based, enterprise-class functionality enabling secure, reliable cellular data access, anywhere, anytime. These solutions provide the ability to remotely monitor sites for a range of industrial applications.



Sixnet Series IndustrialPro® 6000 Cellular M2M Routers

Red Lion's 4G LTE IndustrialPro® cellular routers offer a cost-effective wireless alternative for securely communicating with remote locations. The rugged IndustrialPro series is ideal for harsh environments where equipment wiring space is limited. Ethernet and serial interfaces provide easy communication between SCADA servers and remote RTUs, PLC/controllers and other automation devices.

- > Supports 4G LTE with fallback to 3G & 2G
- > Rugged, compact design
- > Local web-based management and administration
- > Fully configurable router and firewall



MODEL NUMBER	PRODUCT LINE	SERIAL RS232	ETHERNET 10/100	CELLULAR	POWER CONNECTOR	SUPPORTED CARRIERS
SN-6700-(Carrier Code)	IndustrialPro	1	1	4G LTE	Molex end connector cable	Carrier Codes: (AT) AT&T; (BM) Bell Mobility; (GE) Generic* (RO) Rogers; (TE) TELUS; (VZ) Verizon
SN-6700-(Carrier Code)-AC	IndustrialPro	1	1	4G LTE	AC adaptor	
SN-6700-(Carrier Code)-MX	IndustrialPro	1	1	4G LTE	AC adaptor w/ Molex end connector	
SN-6701-(Carrier Code)	IndustrialPro	1	1	4G LTE	DC powered	
SN-6701EB-(Carrier Code)	IndustrialPro	1	1	4G LTE	PoE	
SN-6721-(Carrier Code)	IndustrialPro	1	5	4G LTE	DC powered	
SN-6721-(Carrier Code)-AC	IndustrialPro	1	5	4G LTE	AC adaptor	

MODEL NUMBER	PRODUCT LINE	SERIAL RS232	ETHERNET 10/100	CELLULAR	POWER CONNECTOR	SUPPORTED CARRIERS	
SN-6600-(Carrier Code)	IndustrialPro	1	1	3G EVDO/CDMA	Molex end connector cable	Carrier Codes: (SP) Sprint; (VZ) Verizon	
SN-6600-(Carrier Code)-AC	IndustrialPro	1	1	3G EVDO/CDMA	AC adaptor		
SN-6600-(Carrier Code)-MX	IndustrialPro	1	1	3G EVDO/CDMA	AC adaptor w/ Molex end connector		
SN-6601-(Carrier Code)	IndustrialPro	1	1	3G EVDO/CDMA	DC powered		
SN-6601-(Carrier Code)-AC	IndustrialPro	1	1	3G EVDO/CDMA	AC adaptor		
SN-6601EB-(Carrier Code)	IndustrialPro	1	1	3G EVDO/CDMA	PoE		
SN-6621-(Carrier Code)	IndustrialPro	1	5	3G EVDO/CDMA	DC powered		
SN-6621-(Carrier Code)-AC	IndustrialPro	1	5	3G EVDO/CDMA	AC adaptor		
SN-6800-(Carrier Code)	IndustrialPro	1	1	3G/GSM	Molex end connector cable		Carrier Codes: (AT) AT&T; (BM) Bell Mobility; (TE) TELUS; (GE) Rogers and other HSPA carriers, T-Mobile (2G only)
SN-6800-(Carrier Code)-AC	IndustrialPro	1	1	3G/GSM	AC adaptor		
SN-6800-(Carrier Code)-MX	IndustrialPro	1	1	3G/GSM	AC adaptor w/Molex end connector		
SN-6801-(Carrier Code)	IndustrialPro	1	1	3G/GSM	DC powered		
SN-6801EB-(Carrier Code)	IndustrialPro	1	1	3G/GSM	PoE		
SN-6821-(Carrier Code)	IndustrialPro	1	5	3G/GSM	DC powered		
SN-6821-(Carrier Code)-AC	IndustrialPro	1	5	3G/GSM	AC adaptor		

* (GE) Generic carrier support. Please see data sheet for specific bands and frequencies for carrier compatibility.

Sixnet Series RAM® 6000 Cellular RTUs

Red Lion's RAM® 6000 industrial cellular RTUs provide a flexible platform to remotely connect, monitor and control assets across industries including utilities, oil, gas and water/wastewater. By seamlessly connecting to existing Modbus or DNP3 enabled devices such as, PLCs and other remote equipment, our industrial cellular RTUs provide instant access to data from pumps, valves, reclosers, transformer capacitor banks and meters. The I/O concentrator feature enables users to locally collect sensor data to optimize bandwidth.

- > Secure, reliable communication for remote sites
- > Supports 4G LTE with fall back to 3G and 2G
- > Real-time access to mission-critical data through built-in Modbus gateway
- > Simplified deployment and configuration with single web-base GUI



MODEL NUMBER	PRODUCT LINE	SERIAL RS232	ETHERNET 10/100	CELLULAR	POWER CONNECTOR	SUPPORTED CARRIERS	
RAM-6700-(Carrier Code)	RAM	1	1	4G LTE	Molex end connector cable	Carrier Codes: (AT) AT&T; (BM) Bell Mobility; (GE) Generic* (RO) Rogers; (TE) TELUS; (VZ) Verizon	
RAM-6700-(Carrier Code)-AC	RAM	1	1	4G LTE	AC adaptor		
RAM-6700-(Carrier Code)-MX	RAM	1	1	4G LTE	AC adaptor/Molex end connector		
RAM-6701-(Carrier Code)	RAM	1	1	4G LTE	DC powered		
RAM-6701EB-(Carrier Code)	RAM	1	1	4G LTE	PoE		
RAM-6721-(Carrier Code)	RAM	1	5	4G LTE	DC powered		
RAM-6721-(Carrier Code)-AC	RAM	1	5	4G LTE	AC adaptor		
RAM-6600-(Carrier Code)	RAM	1	1	3G EVDO/CDMA	Molex end connector cable		Carrier Codes: (SP) Sprint; (VZ) Verizon
RAM-6600-(Carrier Code)-AC	RAM	1	1	3G EVDO/CDMA	AC adaptor		
RAM-6600-(Carrier Code)-MX	RAM	1	1	3G EVDO/CDMA	AC adaptor/Molex end connector		
RAM-6601-(Carrier Code)	RAM	1	1	3G EVDO/CDMA	DC powered		
RAM-6601EB-(Carrier Code)	RAM	1	1	3G EVDO/CDMA	PoE		
RAM-6621-(Carrier Code)	RAM	1	5	3G EVDO/CDMA	DC powered		
RAM-6621-(Carrier Code)-AC	RAM	1	5	3G EVDO/CDMA	AC adaptor		
RAM-6800-(Carrier Code)	RAM	1	1	3G/GSM	Molex end connector cable	Carrier Codes: (AT) AT&T; (BM) Bell Mobility; (TE) TELUS; (GE) Rogers and other HSPA carriers, T-Mobile (2G only)	
RAM-6800-(Carrier Code)-AC	RAM	1	1	3G/GSM	AC adaptor		
RAM-6800-(Carrier Code)-MX	RAM	1	1	3G/GSM	AC adaptor/Molex end connector		
RAM-6801-(Carrier Code)	RAM	1	1	3G/GSM	DC powered		
RAM-6801EB-(Carrier Code)	RAM	1	1	3G/GSM	PoE		
RAM-6821-(Carrier Code)	RAM	1	5	3G/GSM	DC powered		
RAM-6821-(Carrier Code)-AC	RAM	1	5	3G/GSM	AC adaptor		

* (GE) Generic carrier support. Please see data sheet for specific bands and frequencies for carrier compatibility.

Sixnet Series RAM® 9000 High-Density Cellular RTUs

Red Lion's RAM® 9000 combines built-in I/O and an active GPS receiver with multiple serial and Ethernet ports to securely monitor remote devices via 4G LTE cellular communications. Ideal for deployment in industrial M2M networks such as oil and gas, water/wastewater, utility, transportation and mining applications, the RAM 9000 provides a seamless network extension to remote locations. With more I/O than many competitive offerings, the RAM 9000 enables customers to save wiring time, space and cost by combining separate functions into one cellular device (Available in North America only).

- > High-Density I/O reduces need for external equipment
- > Built-in active GPS mobile or semi-mobile applications
- > Secure, reliable Modbus concentrator for remote site monitoring
- > Multiple ports including RS232, RS485, USB and Ethernet
- > Secure communication with fully configurable router and firewall



MODEL NUMBER	PRODUCT LINE	SERIAL		ETHERNET		WI-FI	CELLULAR	POWER CONNECTOR	SUPPORTED CARRIERS
		RS232	RS485	10/100					
RAM-9601-(Carrier Code)	RAM	1	1	1		N	3G EVDO/CDMA	DC powered	
RAM-9611-(Carrier Code)	RAM	1	1	2 (WAN/LAN)		N	3G EVDO/CDMA	DC powered	(VZ) Verizon
RAM-9631-(Carrier Code)	RAM	1	1	2 (WAN/LAN)		Y	3G EVDO/CDMA	DC powered	
RAM-9701-(Carrier Code)	RAM	1	1	1		N	4G LTE	DC powered	
RAM-9711-(Carrier Code)	RAM	1	1	2 (WAN/LAN)		N	4G LTE	DC powered	(AT) AT&T; (GE) Generic*
RAM-9731-(Carrier Code)	RAM	1	1	2 (WAN/LAN)		Y	4G LTE	DC powered	

* (GE) Generic carrier support. Please see data sheet for specific bands and frequencies for carrier compatibility.

Wireless Accessories

Red Lion's rugged, reliable wireless products demand the same level of performance from their accessories. Our antennas, cables, and power supplies are designed for use in industrial applications and will provide years of trouble free service.

- > Industrial-grade antennas
- > Including cellular, GPS, and Wi-Fi
- > Supports up to 4G LTE networks
- > Cables, connectors, and other selected accessories

