

По вопросам продаж и поддержки обращайтесь:

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	Самара (846)206-03-16	

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Сотовые RTU RAM 9000 RED LION. Техническое описание

Overview

Red Lion's Sixnet® series RAM® 9000 industrial cellular RTUs offer a secure and reliable method of remotely monitoring deployed assets that utilize cellular carrier networks. Ideal for harsh environments, our rugged RAM 9000 RTUs are ideal for connecting to Modbus or DNP3 devices such as SCADA servers, PLCs, remote I/O and other automation equipment.



Cellular

RAM 9000 cellular RTUs feature 4G LTE connectivity with software selectable multi-carrier support providing fallback to 3G networks. This provides the flexibility to change cellular carrier networks without the need to replace hardware.

Connectivity

Natively supporting Modbus, DNP3 and MQTT protocols, RAM 9000 industrial RTUs include high-density I/O with digital and analog and a relay. This helps to eliminate the need for external I/O to control applications. Our cellular RTUs are available with an optional split-LAN (WAN/LAN) architecture and features up to two 10/100Base-T(X) Ethernet ports. They also feature one RS-232 and one RS-485 serial port supporting serial-to-IP conversions.

Industrial Internet of Things (IIoT) Cloud Connectivity

Red Lion's RAM® industrial cellular RTUs feature cloud connectivity, which allows for reliable, secure and scalable communication to leading IIoT cloud platforms. RAMMQTT, Red Lion's native MQTT client, simplifies implementations with pre-configured profiles for AT&T® M2X, Telenor Connexion, Amazon® AWS™ IoT, and AutoDesk® Fusion Connect. This functionality enables organizations to easily establish communication and start pushing data to select cloud platforms in minutes. Using the RAM software development kit (SDK), connectivity can be configured for

additional platforms, including Telit® deviceWISE®, Set-Point IPwebcontrol, LEC IQ Web SCADA and Skkyhub™, to seamlessly connect, monitor and control equipment.

Event Engine

With an intuitive web-based, menu-driven interface that requires no knowledge of programming languages, the powerful RAM event engine can quickly be configured to trigger actions when pre-defined alarm values are met. For example, if a tank level is too high or a pressure level is out of range, the RAM event engine will not only cycle a relay to stop a pump or close a valve, but can also send text message notifications to alert when actions should be taken.

Security

Designed to deliver secure communications to remote locations, our industrial cellular RTUs support robust security features such as VPN tunnels, port forwarding, stateful firewall, packet filtering, data encryption and an Access Control List (ACL). In addition to these standard features, RAM industrial cellular RTUs and wired routers now provide enhanced communication security using Distrix® Networks software-defined networking (SDN) technology. The addition of SDN technology provides flexibility, scalability and resiliency to legacy serial-based infrastructures or to present-day IP-based networks.

Management

Each RAM 9000 cellular RTU can be managed locally through direct device connection or remotely via SixView Manager® software. Our flexible remote management software package is designed to increase productivity and reduce cost for organizations using Sixnet series industrial cellular RTUs. With a web-based console and customized dashboard, users are able to remotely access, configure and manage critical device information from a central location.

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