FlexEdge® Intelligent Edge
Automation Platform, powered by
Crimson® Configuration Software

RL
RED LION®

Unmatched Data Access

FlexEdge is the ultimate Edge device. Configured with Red Lion's proprietary Crimson software, FlexEdge combines powerful data access capabilities with proven network security features. A modular hardware design plus intuitive programming tools enable faster, easier deployment between legacy and newer equipment.

With FlexEdge, gain the power to quickly move critical data to cloud-based IIoT systems and securely access remote assets for maintenance and technical support.

ENTERPRISE VISIBILITY
Connect existing equipment's legacy protocols to open standards such as OPC UA and MQTT.

CYBERSECURITY FEATURES
Help keep data secure with stateful firewall, access control list (ACL), packet filtering, VPN connections and RADIUS authentication.

RUGGED HARDWARE
Ensure reliable operation in harsh and hazardous environments with a -40 to 75° C operational temperature range and HazLoc, UL Class 1, Division 2 and ATEX/IECEx, ABS certifications.

Unmatched Data Access, Maximum Flexibility and Easy Protocol Conversion in an All-In-One Edge Platform

FlexEdge® lets organizations take full control of their industrial data. Easy to configure and customize across a broad range of industrial applications, FlexEdge provides a secure and scalable bridge between current automation platforms and legacy production systems.

Engineered for unmatched flexibility and versatility, FlexEdge is the ultimate Edge computing platform. Customize your FlexEdge solution to move and monitor data across the enterprise through multiple applications.

Maximum Flexibility

The name says it all. Modular hardware and software give users flexibility at the Edge, empowering users to build and adapt solutions to fit their changing application needs. One device with numerous automation and network configuration options combined with scalable I/O eliminates the need for in-house expertise across multiple fixed-function systems that require organizations to learn multiple software and hardware platforms. FlexEdge is an all-in-one protocol converter, router, cellular gateway, and more, that will displace multiple pieces of hardware in an application.

○ ADAPTABILITY
Support different functions (networking gateway, protocol converter or automation controller) with a single device. FlexEdge's field-upgradable software allows the device to adapt with evolving networks and applications.

○ MODULARITY
Build and evolve your system your way. Scalable design enables up to 10 hot-swappable I/O modules and supports various I/O options, including high-density analog, discrete, PID, relay, SSR, high speed rate counter and strain gauge modules. Keeping pace with technology trends has never been easier.

○ COMPATIBILITY
Connect your existing equipment easily with FlexEdge's suite of up-to-date drivers. Seamlessly communicate with major automation platform providers.

○ CONNECTIVITY
Customize systems easily to meet new connectivity requirements or standards. Plug-and-play up to three communications sleds to the FlexEdge gateway, including dual-SIM cellular, Wi-Fi, Ethernet, serial and USB connectivity.

> FlexEdge embodies the value of partnering with Red Lion, THE Industrial Data Company. The modular platform is easy to use and packed with vital features that industrial organizations and system integrators need at every stage of the IIoT journey.

Powerful, Low-Code Software

A robust, all-in-one programming environment enables faster access to industrial data. Red Lion's proprietary Crimson software converts up to 20 protocols from over 300 supported drivers. For applications requiring more advanced computing, Crimson also offers a C-like programming environment and IEC61131 programming language support.

○ USER-FRIENDLY
Simplify device and network setup with an easy configuration tool and low to no-code programming. Follow a straightforward, step-by-step process to configure communications protocols and cloud connectivity.

○ FAST SETUP
Establish communications quickly between any equipment with Crimson's extensive device driver library and drag-and-drop configuration.
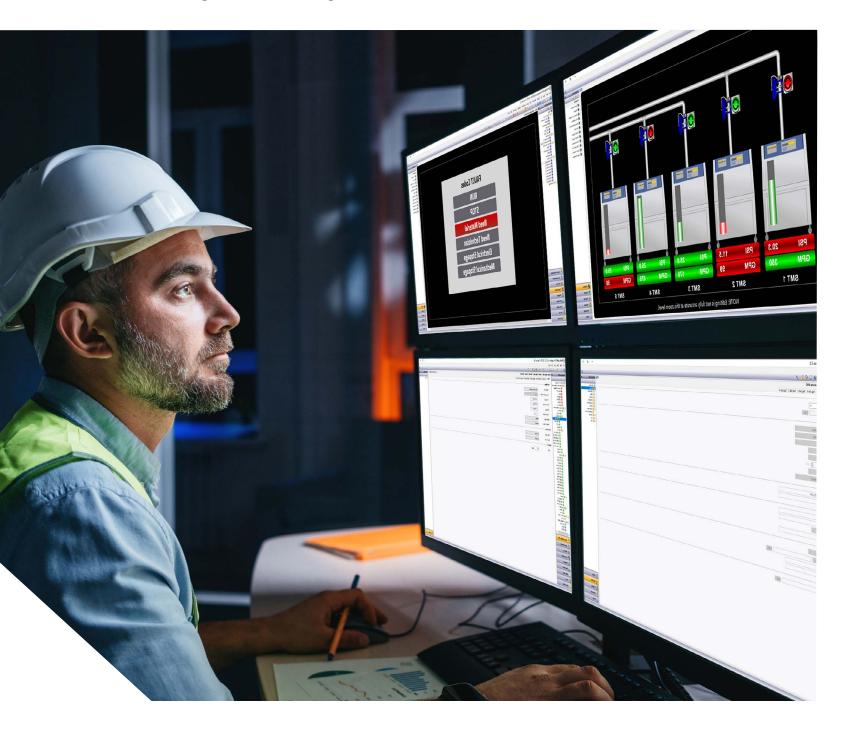
○ ROBUST SECURITY FEATURES
Loaded with security features to help protect the system from unauthorized access: encrypted communication, password policies, RADIUS authentication, and built-in firewall.

Easier and faster system configuration lets users access data faster so they can start making productivity and operational efficiency gains. Connect your Crimson-powered FlexEdge to an SQL server or to the cloud using MQTT to deliver your data efficiently to enterprise data mining and analytical tools. Leverage data to increase productivity, reduce downtime and perform predictive maintenance.

Networking Gateway Today, Advanced IIoT Controller Tomorrow

Field upgradeable software lets users unlock additional functionality from protocol conversion to IIoT connectivity on existing hardware. Upgrading your application from a gateway to a controller has never been easier! FlexEdge is the ultimate Edge device.

SOFTWARE FEATURES

	Networking Gateway	Protocol Gateway	Advanced IIoT Gateway	Automation Controller
CONFIGURATION				
Web GUI	✓	✓	✓	✓
Crimson	✓	✓	✓	✓
NETWORKING				
Firewall	✓	✓	✓	✓
RADIUS Auth.	✓	✓	✓	
Routing	✓	✓	✓	✓
NAT	✓	✓	✓	✓
IP fallback	✓	✓	✓	✓
VPN Client/Server	✓	✓	✓	✓
AUTOMATION				
300+ Drivers		✓	✓	✓
IIoT Connectors		✓	✓	✓
OPC UA		✓	✓	✓
SQL Sync			✓	✓
Data Logging			✓	✓
Virtual HMI			✓	✓
Advanced Web Server			✓	✓
IEC control				
Crimson Control				✓

CRIMSON®

Red Lion is focused on being THE Industrial Data Company. We empower industrial organizations around the world to unlock the value of data by developing and manufacturing innovative products and solutions to access, connect and visualize their information. Red Lion's global manufacturing and support facilities serve customers in factory automation, alternative energy, oil and gas, power and utilities, transportation, water and wastewater industry segments. We provide scalable solutions for cloud connectivity, edge intelligence and asset management, industrial Ethernet switches and industry-leading panel meters and operator panels, to make it easy for companies to gain real-time data visibility that drives productivity.

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