ANYTHING IN.
ANYTHING OUT.
ANYWHERE.

RL
RED LION™
a spectris company

FLEXEDGE™

Bringing industrial data and technology
together to transform operations

KEEPING YOU AT THE CUTTING EDGE
OF DIGITAL TRANSFORMATION

In technology, the edge is where the action is. It's where revolutionary innovations continuously transform the way information is communicated, monitored, and controlled.

FlexEdge™ embodies these transformations.

As a highly scalable IIoT platform, FlexEdge brings you secure networking features along with powerful automation capabilities like industry-leading protocol conversion, IIoT cloud connectivity, multichannel alerts, visualization, data logging, and IEC 61131 control.

LINKING YESTERDAY, TODAY, AND TOMORROW ◢

The FlexEdge platform helps ensure your capital investments will stay relevant and connected for years to come, allowing you to connect your equipment's proprietary protocols to modern, open standards like OPC UA for enterprise visibility.

Red Lion's protocol driver library adds further value by unlocking the data already available in existing equipment. The drag-and-drop simplicity of protocol conversion in our Crimson® software enables you to quickly respond to new needs without costly redevelopment.

As a networking router, protocol converter, advanced IIoT gateway or scalable edge controller, FlexEdge is your all-in-one platform for connecting assets and improving productivity at the edge.

DESIGNED TO SCALE ◢

Compared to fixed-function devices that require organizations to 'learn' multiple products or systems, FlexEdge easily adapts and scales as application needs change. Users can add up to 10 hot-swappable I/O modules that provide high-density analog, discrete, PID, relay, and SSR options.

And, as connectivity requirements change or new standards emerge, up to three communications sleds can be added to the FlexEdge gateway, including multi-radio cellular, Wi-Fi, ethernet serial, and USB connectivity. This versatile scalability helps companies further accelerate their IIoT and Industry 4.0 initiatives.
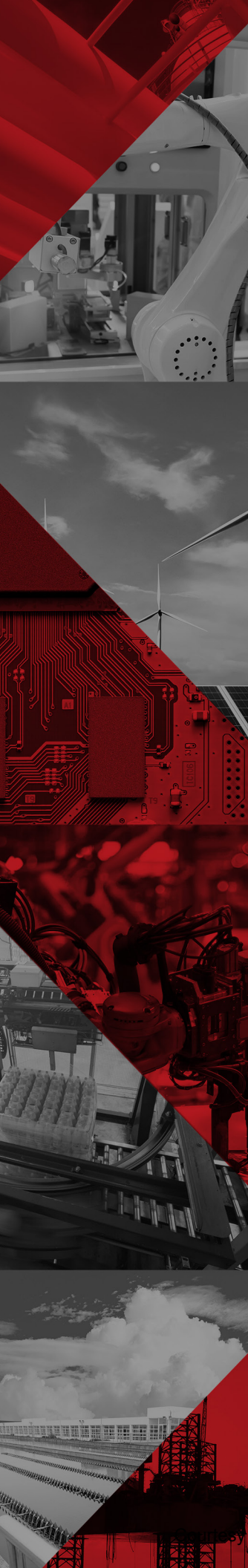
YOUR ENVIRONMENT

FlexEdge features a rugged enclosure, wide operating temperature range (-40° to 75°C), and Hazardous Location (HazLoc) Certifications including UL Class 1, Division 2, and ATEX/IECEx.

INDUSTRIES SERVED

- **MANUFACTURING**
- **FACTORY AUTOMATION**
- **PACKAGING**
- **AUTOMOTIVE**
- **OIL & GAS**
- **WATER/WASTEWATER**
- **MACHINE BUILDER/OEM**
- **POWER & UTILITIES**

CRIMSON®: YOUR ALL-IN-ONE SOFTWARE SOLUTION ◤

Crimson brings…

- The ability to quickly set up powerful applications using a straightforward, step-by-step process to configure communications protocols and define data tags.

- An all-in-one environment that eliminates the need for multiple configuration tools.

- An extensive library of point-and-click device drivers to establish communications between virtually any equipment in mere seconds.

- A built-in gateway and protocol converter to Ethernet-enable any connected device.

- Multilingual capabilities, which allow OEMs to use a single database for global markets.

- A complete library of over 5,000 industrial graphics in over 60 different categories, with the ability to add custom images specific to your application.

UNMATCHED PRODUCT OFFERING ◤

FlexEdge also offers…

- Advanced network security features, such as a stateful firewall, access control list (ACL), packet filtering, and VPN connections.

- Network Address Translation (NAT), enabling engineers to create easily manageable, repeatable programs that can be used across cells or factories without the need for additional costly PLC network interfaces.

- Routing between subnets, allowing users to maintain clean separation within a network by defining logical boundaries between different functions.

ONE PLATFORM
TO RULE THEM ALL

The FlexEdge platform's mission is clear. By simplifying deployment architectures, it helps you deploy more quickly, upgrade without replacing equipment, and easily adapt to changing application requirements.

OEMs and system integrators can quickly migrate between Red Lion products without having to fully recreate user interfaces, re-enter data tags or rewrite application code, and the highly flexible architecture dramatically reduces development time.

It all adds up to significant time, resources, and dollars saved.

"WE NEED TO MOVE FROM A 'RUN UNTIL BREAK' MENTALITY TO A MORE PLANNED MAINTENANCE STRATEGY WITH REAL-TIME REMOTE MONITORING. I NEED BETTER ACCESS TO DATA IN OUR EQUIPMENT SO I CAN USE IT TO IDENTIFY TRENDS AND ISSUES."

PLANNED
Time in Planned Downtime
01:29:18

"WE NEED TO DELIVER MEANINGFUL BUSINESS OUTCOMES—LIKE BETTER QUALITY, THROUGHPUT, AND YIELD PREDICTABILITY—AND CONNECTING OPERATIONS DATA TO OUR ERP SYSTEM IS KEY TO THAT STRATEGY. WE ALSO NEED TO EXECUTE RAPIDLY—TIME IS MONEY."

RUNNING
Time in Running
01:51:33
Time in Running Job / Shift
01:51:33 / 01:58:18

FLEXIBLE.
FUTUREPROOF.
FEATURE-PACKED.

Virtual HMI for monitoring & control from any networked browser

Add cellular communication with active GPS to any application

At a glance diagnostic status ring

Connect fieldbus assets to your digital transformation strategy

Route between subnets to maintain clean separation within a network

Independent 10/100 Fast Ethernet ports

Connect human input devices & expand external storage up to 256 GB via USB

Advanced web server & data, event, alarm, & security logging with cryptographic signature support

With up to 5,000 Vrms isolation, field-installable serial sleds are available in three port configurations for high-port-density applications

Communications sleds feature wide-range operating temperatures & industrial certifications incl. UL Class 1, Div. II, & ATEX/IECEx approvals

UNLOCK EVEN MORE POTENTIAL

Field-unlockable software enables even more of the FlexEdge platform's already tremendous potential. Take it from a feature-packed networking gateway all the way to a controller for managing applications that require advanced logic control. Because you can add powerful new capabilities via software alone—eliminating the need to purchase or add more equipment—you'll both save money and reduce costly downtime as your application needs change.

SOFTWARE GROUPS

	Networking Gateway	Protocol Gateway	Advanced IIoT Gateway	Advanced 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				✓

**TO LEARN MORE,
CONTACT RED LION TODAY**

www.redlion.net

RED LION

a **spectris** company

EXCELLENCE. REDEFINED.

www.redlion.net

Red Lion has been delivering innovative solutions to global markets since 1972 through communication, monitoring, and control for industrial automation and networking - enabling companies worldwide to gain real-time data visibility that drives productivity. Red Lion is part of Spectris plc, the productivity enhancing instrumentation and controls company.

 For more information, please visit www.redlion.net.