FlexEdge® with HDMI®

TRANSFORM YOUR DATA INTO ACTION

FlexEdge with HDMI, powered by Red Lion's Crimson® software for our FlexEdge Intelligent Edge Platform, lets you create real-time productivity scoreboards quickly and effortlessly. Our Crimson software makes it easy to set up simple applications using a step-by-step process to configure communications protocols and define data tags for access.

By utilizing the onboard HDMI port and the Crimson software user-friendly configuration capabilities, it's easy to develop and deploy customized dashboards to a smart TV. Adapt the displays to meet your specific requirements using Crimson's advanced programming capabilities.

ACCESS AND VISUALIZE YOUR DATA

FlexEdge with HDMI, powered by Crimson, gives you easier, more powerful ways to access and visualize your data:

- Directly collect data from devices such as PLCs, drives, bar code scanners and more. Map data to PLCs, PCs and SCADA systems with a simple no-code and drag-and-drop interface to allow a Siemens® PLC to communicate with an Allen Bradley® drive in mere seconds.

- Use the built-in graphics library, with over 5,000 drag-and-drop elements to visually represent your application, including tanks, gauges and other industrial graphics choices.

- Sync your data to FTP servers and MS SQL Server to send information where it needs to go.

- Set up alerts for important events using the built-in mail manager, which sends notifications to one or more specified recipients via email, with attached report or logged data files.

- Use the built-in Cloud Connectors to link your productivity application data to one or multiple cloud providers, including Azure, AWS, Cumulocity, Sparkplug, Aveva or other MQTT brokers.

FlexEdge with HDMI also makes it easier to develop and deploy productivity dashboards with included sample productivity templates. You can choose from up to six commonly used templates available as demo databases in Crimson.

Sample productivity templates include

- Cumulative Work Cell Status
- Process Status
- Andon Board
- Production Run
- Safety
- Line Down Warning

CRIMSON FOR FLEXEDGE

Crimson is Red Lion's powerful configuration software for FlexEdge controllers. Crimson software features support for advanced networking capabilities, including routing, Port Forwarding, NAT translation, VPN Tunnels, Access Control Lists, DMZ rules and more. Updated and expanded symbol libraries and primitives with anti-aliased rendering provide designers with added options for creating interfaces that deliver greater visual effectiveness with a more natural appearance.

It also offers an extensive menu of built-in, point-and-click serial and Ethernet drivers to make mapping controller data to PLC registers a snap. Over 300 built-in communications drivers offer the ability to communicate with PLCs, PCs or SCADA systems — so no code is required to establish communication.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

REAL-TIME VISUAL AWARENESS

Even in the most efficient manufacturing or process environment, FlexEdge with HDMI empowers operators on the plant floor with real-time visual awareness of current production rates and targets. In some cases, a single percent improvement in productivity, in just one day, can justify the investment in a visual management system.

To transform data into action, it is crucial to communicate key performance indicators (KPIs) in a clear and meaningful manner to production floor staff and their supervisors. Every company has its critical, most significant KPIs.

One of the most commonly used KPI is overall equipment effectiveness (OEE), which evaluates performance and quality relative to the designed capacity of a machine, production line or plant during scheduled operational hours.

Boost productivity with real-time visual awareness

Plant Floor Visual Management

FlexEdge with HDMI makes it easy for you to take full advantage of Red Lion's ready-to-deploy plant floor visual management system. Keep your production teams on-target and fully informed of critical KPIs, helping drive efficiency and enabling real-time, actionable response when needed.

Display Work Cell Status at a Glance

Display Important Alerts & Warnings

Andon Display

Display Machine or Cell Effectiveness

Upgrade to FlexEdge With HDMI

When you upgrade to FlexEdge with HDMI, you can take advantage of advanced configuration, IT-mandated security features and improved operational efficiencies:

- Speed up application development time with FlexEdge's export/import feature for device configurations, allowing templated configurations to be saved and shared as JSON files.

- Device Personalities reduce time spent on creating custom application databases by enabling dynamic changes to device configurations after deployment.

- Advanced diagnostic tools allow for quick troubleshooting with Wireshark capture tool, to track Connection status, Active Network routes, etc.

- IT-mandated password policies and RADIUS authentication ensure secure access to your system, while OPC-UA Public/Private data features offer authorized connections separate access to private data.

- Manage your entire fleet of FlexEdge devices with SixView Manager Client, and use Cloud Connectors to send data to the cloud with ease.

- The system web server allows for real-time diagnostics and configuration changes via web access.

Choose FlexEdge With HDMI

At Red Lion, we focus on solutions that remove barriers to your data. With FlexEdge with HDMI, powered by Crimson, we make it easier for you to more rapidly access, connect and visualize your industrial data so you can use that data to power the performance of your operations.

OUR FOCUS: CONNECTING YOU TO YOUR DATA

At Red Lion, we're focused on giving you access to your most valuable asset: your industrial data. Red Lion products and solutions are engineered to remove the barriers to your industrial data in three critical ways:

Access

Our data access products provide secure scalable solutions for cloud connectivity, edge intelligence and asset management.

Connect

Our industrial Ethernet switches provide ease of use, security and reliability to meet IT/OT needs for dependable communication.

Visualize

Our industry-leading panel meters and operator panels allow you to acquire, manage, and interact with your data on-site or virtually.

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. Red Lion is part of Spectris plc, the experts in providing insight through precision measurement.

RED LION®

Connecting You to Your Data