Ultimate RFID Access Control Software: Combining the EMX Patriot with the Defender

As RFID access control solutions continue to gain interest and implementation across more organizations, it's important to approach your integration strategically. There are a range of powerful RFID readers on the market, and the EMX Patriot stands out among them for its versatility and performance. Though it can be used as a standalone equipment, it's even more powerful when combined with the Defender, a door controller offering 4-relay output to control four separate access points. Combining these solutions enables you to do more with your access control and leverage a total solution for enhanced oversight and security.

Read on to learn more about this RFID security pairing and how you can level up your security with our solutions on your side.

Total Package: Breaking Down the Best RFID Access Control Software and Equipment

Exploring the EMX Patriot Reader

The EMX Patriot series offers long-range UHF RFID reading capabilities through circularly polarized equipment designed to deliver long-lasting performance and blend in seamlessly with your environment. They boast an impressive range of 18-25 ft and meet RS232, RS485, and OSDP standards. With a variable 9 to 48VDC input voltage and the ability to support multiple Wiegand bit formats, it's designed to be tailored to your system and requirements.

Designed for plug-and-play installation, it comes with a reader, power supply, mounting bracket, and a test tag. Simplify set-up and prepare your system for success with its easy-to-read LED indicator and adjustable levels, allowing you to control the LED timing, buzzer settings, and relay output.

The Patriot can store up to 500 authorized tag numbers in the reader itself for access control without a door controller, which amplifies its value and versatility. It's compatible with all EMX RFID credentials, while also providing some functionality for generic EPC UHF Gen2 tags. This unique solution is capable of delivering strong standalone performance, but its capabilities are expanded when paired with the Defender.

Exploring the EMX Defender

The TRES Defender dual relay access controller pairs with the Patriot reader to deliver full-scale functionality. It offers a streamlined solution for access management and can handle up to 20,000 users with an audit trail that allows you greater oversight into what's happening with each vehicle or pedestrian gate. It can also simultaneously manage multiple gates and still allow for a seamless and safe flow of traffic. Four doors can be read and controlled at once, making it the perfect choice for apartment buildings, office complexes, and other high-usage areas with multiple access points.

The Defender carries a compact design and comes compatible with standard protocols so you can feel confident it will fit into your environment and system. It also integrates with modern networks and delivers reliable performance with a diverse range of customization opportunities to tailor it to exactly what you need. It comes in two styles — a PCB model and another kit option that comes with everything you need for a complete solution.

When you want to level up your oversight and control within your facility's security, turn to the Defender to advance your RFID reader's capabilities and expand what you can do.

Advantages of Pairing these RFID Access Control Software Solutions

Achieve Remote Access

If you use this database software on a Windows PC and connect the Defender with an internet connection, you can remotely access and control your system. This lets you add credentials, specify limited-time access codes, and oversee what's happening from anywhere at any time. Achieve 24/7 security with this system's remote access.

Capture an Audit Trail

This system allows you to capture and track the past 100,000 events so you know who came and who left your facility. With the Patriot + Defender pairing, you can count on having this data in the background, collecting automatically, should you ever need to revisit it. Get the visibility you need with the system that does more — [talk to our team about this feature and how it can serve you today.](#)

Enhance the Value of Your Purchase

With these two solutions combined, you maximize the potential of each piece of equipment. The Patriot delivers reliable long-range reader functionality and offers improved versatility and performance. When you opt to use it with the Defender instead of the standalone option, you amplify its capabilities and equip yourself with better oversight and control. Keep your facility secure and streamline the management and monitoring process with this powerful combination on your side.

Talk to Our Team Today for Enhanced Access Control

Are you ready to advance your access control abilities with a proven solution? Talk to our team today about this long-range UHF reader and gate controller so you can enjoy a better experience with your access control system. We'll listen to your needs and pair you with our proven equipment so you can protect your bottom line and facility while enjoying enhanced capabilities for 24/7 control.

[Talk to us today to learn more.](#)

Keyword: Tin side Detector for float glass (0-10 / 13 / 82%)
Meta Description: With a hands-free tin-side detector for float glass, you can save time and avoid errors. Learn more from EMX.
Recommended Image or a product / sample photo

Level Up with the Better Tin-Side Detector for Float Glass

Understanding which side of a piece of glass is the tin side, also known as the float side, versus the air side, is essential for glass manufacturing applications. This can determine the way a piece of glass will be cut, suctioned, and tinted, so it's important that industry manufacturers using glass find a way to quickly identify the right side without slowing down the production line. Don't settle for slow and error-prone manual processes — level up with a better tin-side detector for float glass when you choose the [EMX UVX Tin-Side Sensor.](#)

This high-speed and highly accurate equipment is designed to automate glass side identification and deliver rapid, reliable results. Learn more about the product, its benefits, and how you can enhance your experience with this hands-off solution.

Exploring the UVX Tin-Side Detector for Float Glass

The UVX Tin-Side Sensor offers swift, streamlined glass detection so you can equip yourself with the information you need on the line for more productive glass manufacturing. It employs field-proven technology within a well-designed optical sensor unit to provide the functionality you need at the high speeds you demand.

The sensor mounts 5-10 mm from the surface of the glass and uses an LED indicator to display power. To minimize the interference of ambient light, it also serves as a shroud to reduce the exposure that your sample has to the UV light source. This ensures more accurate results and reduces costly and time-consuming errors down the line.

With the control unit, you can also tailor your parameters and threshold to your precise needs, and rely on the display with its 0-99 range to streamline set-up and readings. It offers automated alertsthrough a discrete NPN/PNP output that indicates when a signal level exceeds the threshold setting when viewing your glass sample.

This tin side detector for float glass can be used for many applications and serves as a powerful asset to equip teams with hands-free detection and enhanced productivity.

Applications for Our Tin-Side Detector for Float Glass

This versatile solution empowers manufacturers working with glass across many industries, including:

- **Automobiles and Aircraft —** Windshields for vehicles require reliable detection of the tin-side of glass. Often, a treatment or adhesive is applied to the surface, which must be done on the proper side to preserve the quality. With this hands-free device, you can better identify the correct side without risking manual errors.
- **Glass Processing —** Glass manufacturers preparing their supply for customers in need, such as construction companies, often label their glass to ensure they're user-friendly and prepared for their final applications. With this tin-side sensor, you can automate the labeling process and enhance your accuracy.
- **And More —** This versatile solution is a powerful asset for any manufacturing application requiring proper identification of each side before laminating, cutting, adding adhesive, labeling, or other services. Wondering if it's right for your application? Reach out to our team today.

Benefits of the UVX Tin-Side Detector for Float Glass

Reliable

Don't settle for systems that can't deliver reliable results. This tin-side detector for float glass comes equipped with the quality features it needs to minimize errors and reduce subjectivity, avoid UV interference, and hold up to the production line needs. It also comes with rugged, industrial-ready housing to keep it protected and ready to be mounted where you need.

Fast

This equipment delivers faster results than the manual approach because it helps automate the glass detection process. It provides swift results and was also designed for streamlined set-up, helping you get it up and operating without delay.

Hands-Free

The biggest advantage of this equipment is its hands-free nature. Manufacturing spaces are busy and in constant motion. The more you can automate, the more time you allow your team to focus on tasks of higher value. With the UVX tin-side detector as opposed to a

hand-held device, you can create a better system for easy and efficient tin-side identification, tailored to the thresholds you require.

Choose EMX for Efficient, Hands-Free Tin-Glass Detection

When you're ready to transform your tin-side glass detection experience, level up with the system designed with your needs in mind. Our tin-side detector for float glass was made to perform with the functionality and reliability you demand and to keep up with your production line. By making the switch to a hands-free tin-glass detection approach, you can better invest your time and trust our field-proven technology to accurately assess your glass materials. You can also count on our team for support in ensuring you have the equipment you need and you can set it up for success.

Want to see if your materials will work with the UVX tin-side detector for float glass? [Talk to our team today for free sample testing to feel confident before you purchase.](#)