

Streamline Workflows with WAVE ID® Readers for Rockwell Automation® HMI and Programmable Controllers



A manufacturing environment must be optimized for maximum workflow efficiency and minimal downtime. As part of an enterprise resource plan, devices such as operator terminals are used to monitor, control and display information graphically which allows operators to quickly understand the status of their application.



To further optimize workflow, the WAVE ID Plus readers are partnered with the PanelView™ Plus terminals or Logix-based controllers for operator identification, leveraging existing employee credential systems and eliminating the need to manually log-in to the terminals. A simple wave or tap of the card to the reader saves valuable time during the login process by avoiding typing errors and re-entry.

Access control is another important aspect that rf IDEAS® readers enable. FactoryTalk View Machine Edition (ME) and FactoryTalk View Site Edition (SE) support WAVE ID Plus for Operator ID. Both Human-Machine Interface (HMI) systems employ the WAVE ID Plus readers to enter the login sequence as an alternative to typing.

Factory workers, operators or plant managers can log on to the FactoryTalk-enabled system quickly and easily. The user identification and authentication enabled through the WAVE ID Plus readers help ensure proper access and a more secure environment. Regardless of credential type, the rf IDEAS reader portfolio is unmatched in the industry.

FEATURES

- Automatic identification and authentication
- Reads nearly all proximity and contactless smart cards
- Ready to use with FactoryTalk® View ME and FactoryTalk View SE; suitable for other HMI applications
- Additional delimiters and defined fields and flexibility of manipulating card data
- Additional security when hashing is enabled

BENEFITS

- Improves workflow efficiency by eliminating manual entry and typing errors
- Supports 125 kHz & 13.56 MHz. No need to replace current company card system, saving money
- Extended configuration provides the ability to create additional actions

Trust begins here.™



HUMAN-MACHINE INTERFACE (HMI)

The WAVE ID Plus readers with USB interface connect directly to the PanelView Plus terminals. The WAVE ID Plus is a keyboard wedge interface and simply keystrokes the combination of commands, username and password to complete the logon sequence. FactoryTalk ME and above support these readers.

INTERFACE TYPE		FORM FACTOR	
WAVE ID Plus	Panel Mount	Panel Mount IP67	Desktop
USB Gray	RDR-805W1AGU-RA	KT-805W1AGU-RA-IP67	N/A
USB Black	RDR-805W1AKU-RA	KT-805W1AKU-RA-IP67	RDR-80581AKU-RA

PROGRAMMABLE CONTROLLERS

The WAVE ID Plus EtherNet Industrial Protocol interface with Power-over-Ethernet connects directly into many of the Rockwell programmable controllers, such as CompactLogix. The programmable controller receives an ASCII string of the employee credential number to process against a database and executes operations. rf IDEAS has an EDS file and sample code available.

INTERFACE TYPE		FORM FACTOR	
WAVE ID Plus	Panel Mount	Panel Mount IP67	Desktop
Ethernet Industrial Protocol (EIP) Black	RDR-805W1AKB-P	KT-805W1AKB-P-IP67	RDR-80581AKB-P

POWER OPTIONS

In order to supply power to the reader in a manufacturing environment there are many options; some require the customer to buy a separate power converter from another company. The following table is provided as a guideline.

OPTION	DESCRIPTION
Power over Ethernet (PoE)	Power is derived from a PoE equipped Router Switch for multiple runs or from an in-line Power Injector for single Ethernet drops. A typical installation can use existing Ethernet cables with in-line power injectors.
220VAC	PoE power injectors can be purchased from most major computer supply catalog houses and retail outlets. Most have universal power supplies that will work from 90 to 230AC.

For more information on how rf IDEAS can help you increase efficiency for operational flow, visit www.rfIDEAS.com

PARTNERS

rf IDEAS products are an integral part of numerous industry-specific applications. Through our carefully vetted global network of rf IDEAS partners, we ensure that customers have convenient access to secure solutions of proven quality, performance and value. Our partners have the technologies, expertise and support they need to offer the industry's most advanced identification and authentication capabilities for practically any application.



To find a partner or to join the rf IDEAS ENGAGE® Partner Program and incorporate rf IDEAS technologies into your solutions, visit <https://www.rfIDEAS.com/partners>

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