

The WAVE ID® Ricoh Universal SOP Reader provides seamless, plug-and-play user authentication security for Ricoh multifunction printers.

Known for its quality and versatility, the WAVE ID Plus family of credential readers now includes a model specifically designed to snap on to Ricoh's Gen 2.5 Smart Operation Panel, providing a seamless secure print solution. The WAVE ID Ricoh Universal SOP Reader:

- Offers snap-on, plug-and-play compatibility with Ricoh Gen 2.5 multifunction printers
- Seamlessly fits the A3 printer's Smart Operation Panel (Gen 2.5) side slot without impeding the device's full up and down tilt range* for an integrated look and feel
- Includes a Secure Access Module (SAM) slot to support iCLASS® ID®/SE®/SEOS® or MIFARE® Secure Memory
- **Bluetooth®** Low Energy technology version supports Orange and WAVE ID digital/mobile credentials
- Plug-and-play with Streamline NX and 3rd party secure print software
- No external mounting required and no visible cables

Simple, Secure Authentication for All Ricoh MFP Users

The Smart Operation Panel is an Android-based, tablet-style control panel that enables simple yet powerful operation of Ricoh's advanced multifunction printers. Our WAVE ID Ricoh Universal SOP Reader features a specially designed housing that snaps directly in place of the cover door for the USB port, providing a simple way to add credential-based authentication and access. By eliminating the need to manually enter PIN codes and passwords, the credential reader streamlines user workflows and improves printer security for healthcare, government, manufacturing and other enterprises.

The WAVE ID Ricoh Universal SOP Reader offers an extensive feature set. It supports four credential configurations, with two preset configurations and all four configurations user-definable. An auto-tuning of 13.56 MHz antenna ensures optimum performance in virtually any environment. The user-selectable volume control includes a beeper on/off setting—ideal for noisy locations and those where quiet is important for comfort and productivity. A Secure Access Module (SAM) slot supports iCLASS ID/SE/SEOS or MIFARE Secure Memory. The BLE reader is capable of supporting **Bluetooth** Low Energy technology for mobile credentials and enables future upgrades as organizations change their credentials.

The Most Versatile Reader Available

As a member of the world's most versatile family of credential readers, the WAVE ID Ricoh Universal SOP Reader supports both proximity and contactless technologies and the ever-increasing number of mobile credentials in a single reader. With the ability to hold four credential configurations, the WAVE ID Plus family is the perfect solution for growing organizations that wish to seamlessly integrate different credential technologies—now and in the future.

Able to read virtually any credential type used around the world, the WAVE ID Ricoh Universal SOP Reader is the most powerful, robust reader available for secure print applications. For simplicity, security and elegance, it's the ultimate complement to the innovative, award-winning Smart Operation Panel on Ricoh multifunction printers.

Trust begins here.™

STANDARD FEATURES		
Model Series	EDP Code Europe 953246 953247 953248 953249 953250	rf IDEAS Model & Description RDR-80541AKU-RSOP: WAVE ID Plus Ricoh Universal SOP Reader RDR-30541BKU-RSOP: WAVE ID Plus BLE Ricoh Universal SOP Reader RDR-80M41AKU-RSOP: WAVE ID Plus Ricoh Universal SOP Reader for MIFARE® Secure Memory SRP (includes KT4FFSIM-AV2 with reader) KT-4FFSIM-AV3 Nano SAM Card, HID iCLASS® & SEOS® KT-4FFSIM-AV3 Nano SAM Card, MIFARE Secure Memory
Operating Frequency	125/132 kHz and 13.56 MHz	
Interface	USB	
PHYSICAL CHARACTERISTICS		
Weight	1.4 oz (38 g)	
Housing Color	Light gray (matches the SOP housing color and texture)	
Cables	Mini USB-B Built-in Cable (Connects to mini USB internal port)	
Cable Length	6 inches	
Indicators	LED indicator, beeper included	
Form Factors	Snap-in housing for Ricoh SOP	
Power Supply	USB powered	
Power Consumption	70 mA typical, 150 mA maximum	
ENVIRONMENTAL		
Operating Temperature Range	-22° to 150° F (-30° to 65° C)	
Operating Humidity Range	5% to 95% relative humidity, noncondensing	
Storage Temperature Range	-40° to 185° F (-40° to 85° C)	
OTHER		
Certifications <i>(Please contact rf IDEAS for information about other global certifications)</i>	FCC; Industry Canada; CE Mark; RCM; Japan. Environmental: RoHS, REACH.	
Configuration Utility	rf IDEAS Configuration Utility available on the rf IDEAS website support page	
Card Types	Supports nearly all card types worldwide. Visit rfIDEAS.com for full list of supported card types.	

*Also fits the A4 Gen 2.5 SOP side slot, with reduced vertical tilt range.

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