

RTAI

RE-THINKING ADVANCE IDENTITY®

RTAI 600 SERIES PRINTER

with 600 DPI Print Retransfer Technology



Brilliant Colors, Visual Security and Long-life Card Image Durability

The **RTAI 600 Series™** card printer is designed to satisfy the broadest range of customer requirements market by market. From superior card image quality to customizable "print-on-demand" visual security, the RTAI 600 Series™ offers unparalleled benefits to meet the increasing demand for risk-appropriate ID solutions and scalable access control and smartcard encoding requirements.

Brilliant Colors With an industry-leading pallet of 33.4 million color variations from which to choose, organizations can design and print visually impactful IDs that are easier to recognize and authenticate while improving over-all brand awareness.

High Definition Print Resolution Unlike direct-to-card printers that use reduced image quality 300 dots per inch (dpi) resolution, RTAI 600 Series™ retransfer printers, print card images with visually stunning 600 dots per inch (dpi) color resolution. Superior color-saturation meets crisp, precise image detail to print brilliant photo ID cards recognizable at a glance.

On-Demand Visual Security Our Holo-Met™ Visual Security Solution enables organizations to create print-on-demand metallized, holographic-like logos, brand images and security features that creates Level One (1) visual print security to your identity program. Unlike alternatives that require additional expense, Holo-Met™ is a standard security application offered with all RTAI 600 Series™ systems. It is also tamper-evident so that a misplaced or stolen ID card has no practical chance of being forged and re-used for visual identity access again.

Card Durability Retransfer print technology uses a durable print retransfer film that resists abrasion and general wear and approaches twice the durability (2x) of ID cards printed with standard 300 dpi direct-to-card printers. The system also includes a twice-life durability option that adds a second layer of film onto printed cards surface for extended card wear resistance. And to extend card life beyond 4-5 years, RTAI offers a standard and holographic patch retransfer film that is as durable as laminates without the requirement of more expensive printer/laminators and additional consumables inventory.

Print Retransfer technology became commercially available in the desktop ID printer industry in the late 1990s. Originally designed with the intent to print on smartcards, by mid-2000s the technology became more widely adopted across all markets from transportation to corporate to education.

Print retransfer technology uses thermal printing and prints to the underside of an intermediate film layer that is transferred and fused to the surface of a blank card. The result is a stunning over-the-edge printed ID card.

- RTAI 600 series printers use true 600 dots per inch (dpi) to produce stunning quality.
- Prints single-side cards under 25 seconds; dual-side cards under 55 seconds.
- Offered with optional access control HF 13.56 MHz, LF 125kHz and contact chip encoders.



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RTAI 600™ Series Printers with Holo-Met™ & EdgePatch™ Consumables Technology



RTAI 600™ Series Premium Features

- Holo-Met™ "design & print" holographic visual card security
 - EdgePatch one-pass 0.6" durable print overlaminate
 - 600 dots per inch (DPI) Printhead for Superior Print Image Quality
 - Intuitive User LCD display with multi-color prompts
 - 33.4 million print color variations to meet brand-specific needs
 - Optional in-line access control and prox card encoding capabilities
- Standard USB and Ethernet port options for network connectivity

RTAI 600™ Series Standard Features and Specifications

Print Technology	Dye-Sublimation Retransfer Technology
Print Capabilities	Single or Dual-Sided, over-the-edge printing
Print Resolution	600 dots per inch (dpi)
Print Speed	Full Color Printing Single-sided: 144 cards per hour (cph) Double-sided: 66 cards per hour (cph)
Card Capacity	Input Hopper: 250 cards Output Hopper: 150 cards
Compatible Cards	PVC, Composite, PET, PET-G, ABS, PC ISO ID-1/CR-80 Size (85.6 x 98mm) 0.030" mil thickness
Connectivity	USB and Ethernet
Holo-Met™ Security	Print-on-demand holographic security effect
Weight/Dimensions	48 lbs; 13.25" x 12.25" x 17"
In-line Card debower	Mechanism that ensures flat cards at ejection meeting ISO specifications
Card Reject Hopper	Segregates mis-personalized cards into separate card hopper for removal
Warranty	Printer: 3 Year Parts /1 Year Labor; Printhead: Lifetime warranty
Certifications	UL, FCC, CE, CE-EMC, CE-LVD
Power Supply	100-240 Vac. 50~60Hz

RTAI 600 Series Options

Encoding	Magnetic stripe encoder
	Single wire - Contact ISO 7816 T=0, 1
	13.56MHz Contactless ISO 14443 A/B Protocols; ISO 15693 including HID iClass, HID iClass SE/SR, HID iCLASS SEOS (Facility Code/PAC) requires TWN4 SIO Card
	125 Khz Prox Read/Write for all standard transponders including HID PROX, HID PROX II



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