

P4500S

Dynamic Identification Printer
with SecureShield Overlay Technology

Edge-to-edge
Printing

High Security
SecureShield
Technology

Drop-in
Dual-sided
Field Upgrade

Automatic or
Manual Card Feed

LCD with Simple
Menu Selections

Magnetic, Contact or
Contactless Encoding
Options



The *Polaroid* single to dual-sided
upgradable ID Card Printer



Specifications

Printing Method	Dye sublimation	
Printing Speed	Approx: Color 35 seconds each side; mono 7 seconds	
Printing Side	Single-sided printer with flexibility for drop-in field upgrade to dual-sided	
Cards Supported	Card Size	ISO CR80 and CR79 .51mm to 1.02mm (20 mil to 40 mil)
	Card Material	PVC blank, magnetic stripe, self adhesive, & SecureShield Patch cards
Card Storage Capacity (ISO CR80, ISO 7810)	100 card input hopper; 30 card output hopper	
Interface	USB rev.1.1 (USB 2.0 compatible)	
Software Drivers	Compatible with Windows 7 [®] , Vista [™] , XP [™] , 2000 [™] and 2003 Server [™]	
Operating Environment	50°F to 85°F (10°C to 30°C)	
Power Supply	External power supply 100-240V 50-60Hz autoranging	
Weight	12 lbs. (5.5 kg)	
External Dimensions	17.8" x 8.1" x 9.2" (L x W x H); 453mm x 206mm x 233mm (L x W x H)	
Dye Film (options)	YMCKO	5 panel dye film, 300 images
	Mono	Monochrome resin black dye film, 1000 images (also available in white, blue, gold and silver)
	KO	Black and overlay resin dye film, 600 images
	YMCKOK	Dual-sided only, 6 panel dye film, 250 dual-sided images, color on front, black on back
Card Security	The user has the option to print a SecureShield Overlay security watermark across the card surface. When used with the SecureShield Patch cards, one area of the SecureShield Overlay watermark is highlighted as a high visibility security seal. A choice of 5 fixed SecureShield Overlay patterns are selectable from the printer driver is printed during the normal print cycle without adding cost.	
Warranty	Two year manufacturer's warranty including all parts and labor.	

LCD Display

Colorful LCD display with simple button menu selections.

Mag Option

Single or dual-sided magnetic stripe encoder variations are available.

Contact or Contactless Encoder

Optional contact/contactless smart card chip encoder can be combined with the mag encoder option.

Hand-Feed Feature

Hand-feed card slot at the front provides users with one-off card printing.

The *Polaroid P4500S* features a unique, state-of-the-art configuration that allows a user to upgrade a single-sided P4500S to a dual-sided card printer at any time by placing a specially coded dye film into the printer - no need for additional hardware or tools. It is a seamless upgrade performed by customers which takes seconds and enables dual-sided printing immediately. The dye film is simply an encoded YMCKOK printer ribbon which is programed to enable the duplexer that already exists in the printer. Purchase a single-sided P4500S now if dual-sided printing might be a future requirement. The P4500S also provides visual security for printed cards with its SecureShield Overlay anti-copying watermark. Unlike expensive holographic laminates, the *Polaroid SecureShield Overlay* does not add printing cost. Choose from (5) security designs to protect your cards or turn off the security feature if desired.

SecureShield Technology

SecureShield Overlay	Print anti-copying watermark across the entire card surface that becomes visible when the card is viewed at an angle. The P4500S SecureShield Overlay features 5 standard designs.
SecureShield Patch	Print the SecureShield Overlay on the SecureShield Patch card stock to produce a highly-visible gold seal on the card.

Standard SecureShield Overlay Patterns



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