



CP500
TOPPAN

CARD PRINTER

The CP500 card printer is the world's only desktop 600dpi pigment ink retransfer card printing solution. The CP500 leverages GET Group's 25 years of proven experience in delivering highly secure passport and ID solutions for governments all over the globe with Toppan Printing Company's unparalleled innovative printing and security technology.



In a single desktop unit, the innovative CP500 combines the superior forensics of 600dpi pigment ink, the stunning print quality of retransfer technology and user-upgradeable features for personalization, to deliver the most secure card printing solution in the market today at a competitive cost.

Why the CP500?

600dpi Pigment Ink Technology

- Dot-by-dot pigment ink technology delivers the highest-resolution image printing in the world with the sharpest detail for easy point-of-use verification and authenticity protection
- 600dpi allows for the printing of micro-text as an added security feature, which cannot be achieved by 300dpi printers
- The CP500 produces cards with the highest level of resistance to UV fading in the market thus maintaining color and surface integrity over time

Unique Retransfer Printing Technology

- The CP500 enables users to personalize contact, contactless, and magnetic stripe ID cards to reduce both cost and complexity
- The CP500's Over-the-edge on CR-80 cards printing capabilities maximize visual appeal and create a tamper-evident seal to protect against image or data alteration
- Users can incorporate holograms, barcodes, micro-text, and other features to enhance card security and resist counterfeit production

Compact Size

The CP500 delivers industrial-grade printing power in a sleek desktop package. This allows for decentralized personalization right at the site of card issuance.

Fast

The CP500 personalizes in only 25 seconds per full color side saving time and increasing productivity.

Upgradeable Encoding Features

The CP500's encoding capabilities include contact, contactless and magnetic stripe.

Security of Consumable Supply Chain

Toppan's pigment inks are supplied exclusively to GET Group, therefore consumable quality and control is insured, bringing consistent print quality to users.

Standard USB 2.0 and Ethernet Connectivity

Multiple connectivity options are available as standard on the CP500 to ensure easy integration with any on-site IT solution.

Complete Integration with Existing Security Systems

GET Group's experienced integration team and SDK tools allow for a seamless fit into your existing IT infrastructure.

Technical Specs | CP500 Specifications Sheet

Standard Features

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|---------------------|---|
| Print Method | Retransfer / Pigment Ink |
| Resolution | 600 dpi |
| Colors | Up to 16.7 Million Colors - Color: 256 steps (Image) - Monochrome (TEXT) - UV: 256 steps (Image) |
| Print Speed | Batch Mode: • 25 seconds per card / 144 cards per hour (CMYKP)* • 41 seconds per card / 87 cards per hour (CMYKPKP transfer)* |



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| Accepted Standard Card Sizes | CR-80 (85.6mm L x 54mm W), ISO 7810 Format, Type ID-1 |
| Print Area | Over-the-edge on CR-80 cards |
| Accepted Card Type | PVC, PET, PC, and many more |
| Input Card Cartridge Capacity | Max 250 cards with optional locking mechanism |
| Output Hopper Card Capacity | Max 250 cards |
| Card Cleaning | Replaceable cleaning roller |
| Memory Size | 64 MB RAM |
| LCD Display | 2 Line User-Friendly Control Panel |
| Print Mode | Signal-Sided or Dual-Sided (dual-sided printing is a standard option) |
| Software Drivers | Windows® 2000 / XP / Server 2008 / Vista / 7 / 8 / 10 (32 & 64 bit) |
| Connectivity | USB 2.0 (High Speed) and Ethernet |
| Operating Temperature | 10° to 35° C |
| Operating Humidity | 20 - 80% non-condensing |
| Supply Voltage | AC90-125V, 220-240V, 50/60Hz Autosensing single phase power - 100-240V AC |
| Mean Cycles Between Failure (MCBF) | 100,000 Cards |
| Mean Time Between Failures (MTBF) | 2000 Hours |
| Mean Time To Repair (MTTR) | 30 Minutes |
| Physical Dimensions | W340 x D297 x H435 (mm) / W13.4 x D11.7 x H17.1 (in) |
| Weight | 19.5 kg / 42.9 lb |
| Safety Standard | UL, CE, FCC, CCC |
| Warranty | 2 Years |

* Special order

Options

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|------------------------|---|
| Ribbon | 5 Panel CMYKP prints 500 surfaces 7 Panel CMYKPKP prints 350 cards 7 Panel (with UV) CMYKUvPpl prints 350 surfaces 9 Panel CMYKPpIKPpl prints 270 cards Custom ribbon configurations are available upon request |
| Retransfer Film | Standard clear, 500 card surfaces Custom holographic (registered, and non-registered wallpaper) |
| Add-On Units | CLM-20 Laser Engraver Unit Lamination Unit |
| Encoding | Magnetic stripe encoder ISO 7811, 3 tracks, HiCo/LoCo Smart card contact encoding station ISO 7816 MIFARE ISO 14443 (13.56 MHz) contactless and ISO 7816 contact encoder |

CP500 CARD PRINTER

Fade / Chemical Test

We are the first printer manufacturer to use pigment ink in color ribbons. Pigment ink increases resistance to fading and chemical reactions. Plasticizer is a chemical often used to soften plastic and leather products (i.e. a wallet or plastic pouch). Overtime, plasticizer will eat away at the ink causing distortion and corrosion to the image.

Fading Test (carbon ark)

Before After 100 hours After 200 hours

Pigment Ink



Dye Sublimation



This test is used to evaluate color material's fade resistance against light.

Resistance to Plasticizer Test

Before Approx 1 year in wallet



This test was to evaluate the integrity of the image when exposed to plasticizer.

ABOUT GET GROUP

For more than 30 years, GET Group has established a global reputation as a leading provider of security printing, physical security, business solutions, intelligent transportation systems and commercial card printing. Using state-of-the-art security systems, innovative hardware, and software applications, GET Group provides institutions, enterprises and more than 25 governments worldwide, with highly secure and durable travel and identification documents, integrated physical security systems, and mission-critical e-Process solutions.

Having been awarded the prestigious CMMI Level 5 international quality certification, the ISO 9001 standard for quality management, and the ISO 27001 standard for information security, GET Group provides its clients from the public and private sectors with a suite of customizable, integrated and reliable solutions, such as passport and ID personalization, Community ID, Premises Security, Intelligent Key and Asset Management, Long-Range Surveillance, Integrated Management Platform, Electronic Bill Presentment and Payment, Prepaid Applications, Medical Claims Management, Customs Management, Queue Management, Vehicle and Road Monitoring, Electronic Toll Collection, Automatic Vehicle Identification and Highway Traffic Management. In addition, GET Group's line of commercial card printers 'Heidi' continues to empower many industries and sectors with unique printing capabilities and various personalization options at a low cost-per-card.

GET Group's pioneering solutions, technological expertise, and wide integration capabilities help public sector organizations and private enterprises manage and optimize their processes and performance, thus providing them with a competitive advantage, synergies across their processes, and higher returns on operational investment.

