GET GROUP

CP500
TOPPAN

SECURE CARD PERSONALIZATION SOLUTION

END-TO-END SOLUTION

www.getgroup.com

GET Group offers its secure National ID issuance platform solution for governments, comprised of advanced personalization printers and intuitive software. The solution has been developed to produce ID documents that conform to stringent document quality, durability and security standards specified by ICAO and ISO. making it the ideal solution for of various types of ID Issuance.

CP500 eID Printing Technology

In a single compact design, The CP500 Retransfer card printing solution delivers a superior forensic features using 600dpi , dot-on-dot & pigment ink technology ,This solution is fully scalable with various user-upgradeable features. In addition, it can seamlessly integrate with various hardware and software systems.

ADVANCED SECURITY FOR GOVERNMENT ISSUED CREDENTIALS

Thermal Retransfer Printing Technology

▷ The CP500 retransfer printing technology protects the personalized card using ultra-thin holographic secure film, confirming the lamination as an integral part of the printing process.

▷ The CP500's edge-to-edge printing capabilities maximize visual appeal and create a tamper-evident seal to protect against image or data alteration.

Long-Term Lifecycle

▷ GET Group is the first printer manufacturer to use pigment ink in color ribbons. Pigment Inks produce cards with the highest level of resistance to UV fading thus maintaining color and surface integrity over time.

Smart Card Encoding

▷ Easily upgradable, with encoding capabilities including contact, contactless & magnetic strip

▷ Designed to support full desktop automation reading and writing smart cards with separate faulty card ejection slot for uninterrupted production.

Issuance Mode

▷ Flexible to meet various production needs with decentralize adaptation for enhanced scalability, balanced operation and lower risk of failure and with High-Volume centralized issuance environments connecting multiple CP500 printers in a print farm through GET print management application.

Simple Verification

▷ Dot-on-dot pigment ink technology offers easy overt verification and authenticity protection with unparalleled durability that increase a document's lifespan.

▷ 600dpi allows the printing of micro-text as an added security feature.

Secure Supply Chain & Production Cycle

All deliverables, consumables and production materials are exclusively available to the issuing authorities through a strictly monitored and controlled supply chain, and that none of the production components are available commercially to protect against credential forgery.

eID SAMPLE CARD

Non-Fading Pigment Ink

High Definition Characters

High Definition Dot-on-Dot Portrait Image

600 DPI Micro Text

Smart Card Ready

PDF 417 Barcode
Code 128 Barcode

Everything bright green is UV or RVI+
1 BIT and 8 BIT

REPUBLIC OF UTOPIA SPECIMEN
NATIONAL HIGH SECURITY CARD

SURNAME
TRAVELER

GIVIN NAME
HAPPY GET GROUP

SEX   NATIONALITY   DATE OF BIRTH
F   UTO   14.07.1972

DOCUMENT NUMBER
382165447

DATE OF EXPIRY
31.08.2021
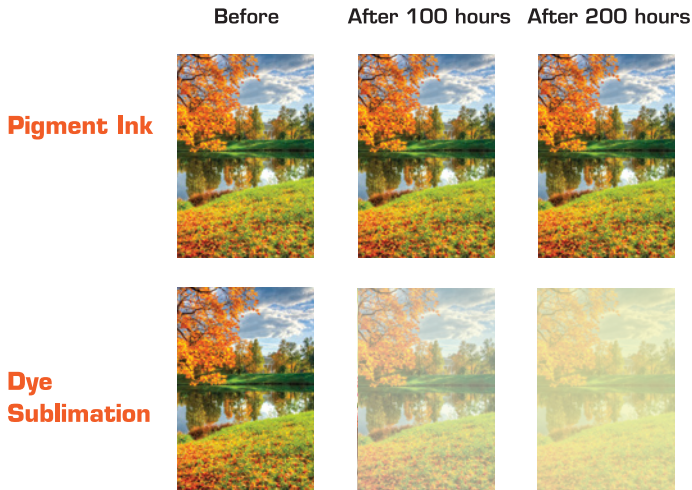
2021

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PERSONAL NO   HEIGHT
4521889   160 cm

PLACE OF BIRTH
UTOPIA CITY

DATE OF ISSUE
01.09.2011

ISSUING ATHORITY
UTOPIA

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Fading Test (CARBON ARK)

Resistance to Plasticizer Test

	Before	After 100 hours	After 200 hours	Before	Approx 1 year in wallet
Pigment Ink					
Dye Sublimation					

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

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

Technical Specs | CP500 Specifications Sheet

Standard Features

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: • 28.8 seconds per card / 144 cards per hour (CMYKP)* • 41 seconds per card / 87 cards per hour (CMYKPKP transfer)*
Accepted Standard Card Sizes	CR-80 (85.6mm L x 54mm W), ISO 7810 Format, Type ID-1
Print Area	Edge-the-edge
Accepted Card Type	PVC, PET, PET-G and PC
Input Card Cartridge Capacity	300 cards with optional locking mechanism
Output Hopper Card Capacity	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
Software Drivers	Windows® 2000 / XP / Server 2008 / Vista / 7 / 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 Failures (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, CSA, CE-marking
Warranty	2 Years

Options

Ribbon	2 Panel KP prints 1200 surfaces 5 Panel CMYKP prints 500 surfaces 7 Panel CMYKPKP prints 350 cards 7 Panel (with UV) CMYKUvPpl prints 350 surfaces 7 Panel (with RVI+) CMYKRVI+Ppl prints 350 surfaces 9 Panel CMYKPplKPpl prints 270 cards
Retransfer Film	Standard clear, 500 card surfaces Custom holographic (registered, and non-registered wallpaper)
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

Scalable Add-Ons

GET GROUP CP500LE

Hybrid Color Laser Engraving

The CP500LE is an integrated card personalization solution that combines retransfer printing with laser engraving technology to produce secure color polycarbonate government ID cards with custom holographic foils and complex security features that cannot be manipulated or substituted.

GET GROUP CP500CL

Card Laminator

The CP500CL is an integration between the CP500 ID personalization solution and advanced lamination units to create secure and accurate hologram registration. The solution adds an extra-secure, ultra-thin film to protect cards against alteration attempts and physical wear.

▷▷ RELATED PRODUCTS

SDK

▷ GET CP500 SDK is a powerful library of algorithms that is designed to combine ID printing functions into one library. GET CP500 SDK communicates effectively to control and monitor the card printing cycle.

▷ The SDK is designed to combine printing functions into one, instead of writing many command lines. This is great for quick and easy CP500 integration when migrating into an exciting database system.

GET Identity

A comprehensive card personalization software designed to provide organizations with the ability to create, manage, personalize and issue a wide range of card types. The system's open architecture supports a wide range of features that can be easily grouped and utilized by small and large organizations, and its multi-tier nature allows it to work with different database engines.

ID Designer Module

Data Entry Module

WHY GET GROUP

Expert in credentials & Identity Management solutions

52+ Governments

1B Issued Secure ID Worldwide

35+ Years of milestones and partnerships

Leader in Technology

500+ Experts in the field

5 Continents Regional offices

GET GROUP