



**CROSS MATCH**

# PRINT CENTER

## Central Site Server & Printing Solution

Even with fully integrated digital scanning of live fingerprints at police stations and fast wide area transmission via networks, the need for printed paper copies still exists. Agencies may have operational or legal needs to work with printed tenprint cards as a complementary way to working with these documents on a computer workstation, and therefore have a demand for a reliable printing system. This is especially important for large agencies who receive hundreds or even thousands of NIST records every day in their central processing facility, making performance and availability a crucial issue.

The new PRINT CENTER is exactly the solution therefore. Built around a fault tolerant architecture, it provides a fully scalable cluster of printers connected via independent print servers to the central receiving server. For maximum reliability, the central server can be set-up with a permanently available hot spare server which automatically takes over control in the event of technical failures. The number of print servers and printers working in parallel can be fitted to the required number of printed cards per day. Paper empty or other printer problems do not stop the overall system.

## CROSS MATCH PRINT CENTER

### Print Center Benefits

- Complete solution for handling and printing NIST compliant fingerprint data records
- Fault tolerant architecture ensures maximum availability and reliability
- Scalable to fit exactly to the workload and performance needs
- Configurable to support multiple printers and multiple print servers, working in parallel
- Central handling of received NIST data records, with automatic event logging

### Main Features

**Type of Product:** Pre-configured combination between a server which receives data records and one or multiple servers which print the contents of the received records on connected printers

**Data Records:** Any NIST compliant data record can be received and printed, applicable standard is ANSI/NIST-ITL 1-2000 Data Format for the Interchange of Fingerprint, Facial, & Scar Mark & Tattoo (SMT) Information

**Printable Forms:** Any tenprint card form can be prepared for printing on

### About Cross Match Technologies, Inc.

Since its founding in 1996, Cross Match Technologies, Inc. has been at the forefront of the development and deployment of cost-effective biometric security solutions for law enforcement, federal, aviation, commercial and international organizations. Headquartered in Palm Beach Gardens, Florida, and offering the broadest product lines in the industry, Cross Match is recognized for setting new standards in fingerprint and other biometric technologies through its more than 150 existing or pending patents and related intellectual properties. Additional information on Cross Match is available at [www.crossmatch.com](http://www.crossmatch.com).

this system, major forms of large organizations (FBI-US, RCMP-CA, Interpol, BKA-D, NAFIS-UK) are predefined, other forms can be prepared during the customization (option)

**Input Side Connection:** Standard Ethernet, FTP into the “incoming” directory Fault tolerant Architecture receiving server works as server cluster (option), permanent “hot spare” of the second server and automatic take over of control in case the first server should run into problems

**Print Function:** One or two (option) printers connected to one print server, simplex (standard) or duplex (option) printing, paper formats standard US-letter or DIN-A4 (standard) or 8 x 8 inches or US-legal paper formats (option), preprinted or blank paper stock

**Handling of Printer Faults:** Paper jam, paper tray empty, toner empty are recognized automatically by the controlling server and further printing on that printer is halted as long as the problem still exists, incoming data records are routed to the remaining printers in the meantime (load balancing)

**Load Balancing:** Incoming records are automatically distributed to all connected and available printers, so that all printers receive a similar share

of records on average - load balancing automatically adopts to cases where a printer becomes not available (e.g. paper tray empty) or available again (e.g. paper tray filled)

### System Configurations

**Control Server:** Single (S) or dual (D) configuration -- dual recommended for high reliability applications

**Print Server + Printers:** One or two printers per print server -- two printers recommended for high throughput applications

**Control Desk:** Consists of one monitor + keyboard + mouse combination, connected via multiplexer to all servers

**Sample Order Configuration:** PRINT CENTER D-3-6 has dual control server, 3 print servers, each with 2 printers (i.e. total number of printers is 6)

**Contact the Cross Match sales department for a configuration specifically tailored to your needs.**

**CROSS  
MATCH**  
Technologies

US Corporate Office:  
3950 RCA Boulevard  
Suite 5001  
Palm Beach Gardens, FL 33410  
Toll Free: 866-725-3926  
Phone: 561-622-1650  
Fax: 561-622-9938  
[sales@crossmatch.com](mailto:sales@crossmatch.com)  
[www.crossmatch.com](http://www.crossmatch.com)

European Office:  
Unstrutweg 4  
07743 Jena  
Germany  
T: +49 (0)3641 4297-0  
F: +49 (0)3641 4297-14