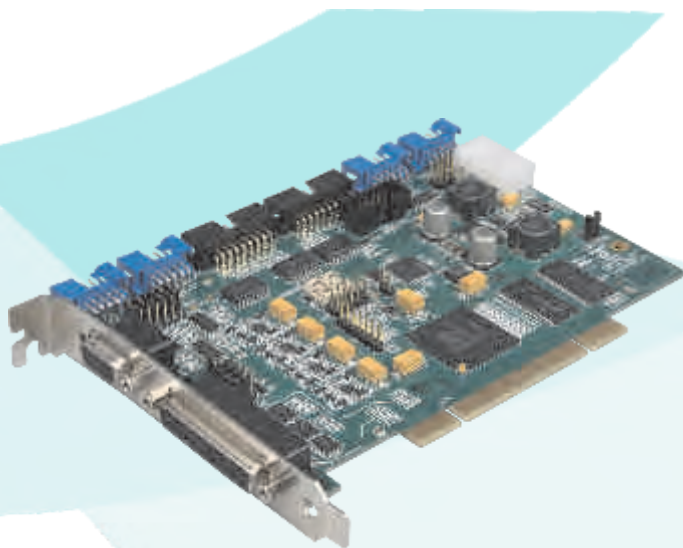


# HSAJET<sup>®</sup> CBF Controller

CBF/OPC/RPC



Flexible controllers for many industries such as mailing, graphics, coding & marking

## HSAJET<sup>®</sup> printer controller boards for HP TIJ 2.5 technology

The HSAJET<sup>®</sup> controller boards are based upon reliable HP TIJ2.5 technology which offers consistent, high quality and fast printing.

## Expand the print height

Each CBF board is PCI based and can control up to 2" of print height. For additional print height more controller boards can be installed providing up to 8" print height from one controller.

The CBF is available as a board for integration but HSA Systems also offers 2 versions of pre-configured windows based controllers. The Office style Printer Controller (OPC) in either 2" or 4" print height version and the Rack style Printer Controller (RPC) in 6" or 8" print height version.

## HSAJET<sup>®</sup> Software

CBF solutions are controlled by our software with versions specially designed for Coding, Marking,



Mailing or Pharmaceutical applications. The intuitive software has all necessary features including database connection.

## Dependable communication

Each CBF has encoder, sensor and serial connection port. Ethernet communication is made through the Computer LAN. If required the printers can be controlled remotely via our comprehensive communication protocol. The CBF boards can be configured to control up to 8 output signals for external equipment.

## Powerful solution

A variety of printheads are available for both side print as well as down-print applications. With a CBF based solution there is full freedom in head offset as well as high accuracy in X and Y stitching. The combination of hardware and software provides a powerful printing solution for integration as well as turnkey applications.

## Print at breakthrough speeds of up to 306 m/min in 300 x 150 dpi

- Graphics
- Counters
- Date & time
- Linear & 2D Barcodes\*
- Variable text
- Multiple Fonts
- Bitmap
- Shift codes
- Fixed text
- Real-time printing
- Windows Font

\*For information on specific barcodes please go to [www.hsasystems.com](http://www.hsasystems.com)

# Technical Details

## CBF CONTROLLERS CBF / OPC / RPC

**Technology :** HP TIJ 2.5

**Printhead frequency :** 15 KHz

**Print height :**

CBF: 50.8 mm / 2" per CBF

1, 2, 3 or 4 pen printheads per CBF

OPC: 1-2 CBFs

RPC: 1-4 CBFs

**Print head distance :** 0.5-2.0 mm

(nozzle to print surface)

**Voltage :** 100-240 VAC

**Print buffer :** 64 MB

**Design software :**

OBJ InkDraw (standard)

Mail InkDraw (optional)

Pharma InkDraw (optional)

**Software menu language :** English

(multiple languages)

**Print functionalities, eg.:**

Database printing

(SQL - Txt - Access)

User prompt

User defined print log

Barcode log

Error log

**Print features :** Variable DPI

Left/Right, Upside-down

Other side, Bidirectional

Inverted, Global Ink Reduction

**Layout features :**

Max. length 65000 px

(~277 cm in 600 DPI)

Object rotation in 90° deg interval

Link field content

Works with mm/inch/point/pixel

**Remote controlling**

Create jobs

Edit jobs

Change field content per print

Change print

Preferences/Parameters

**Interface**

RS232 (serial)

1 GB Ethernet (LAN)

USB 2.0

CD-drive

Camera connection (USB)

Control connection (SUB D15)

Encoder Input 3-33V (SUB D9)

Product Sensor 3-33V (SUB D9)

**Signals**

Low ink signal

Print signal

Print message signal

Stacker/bundle signal (option)

Database change signal (option)

Database mark signal (option)

Batch count signal (option)

Check content/reject signal (option)

**Complies to :** CE directives

**RPC features**

- 4HE 19" Rackmount case
- Excellent cooling features
- 2 x USB in front panel
- Lockable front panel
- Exchangeable dust filter
- Dimensions with handle (overall) (D/W/H): 540/480/177,5 mm

**OPC features**

- Mini Tower
- Cooling rear 3-speed fan, optional mount of fan in front
- 2 x USB in front panel

**Accessories**

- Printheads (see other flyer)
- Distributor box
- USB-Stick / Stylus Pen (included)
- Sensor and Encoder
- Monitor / Keyboard / Mouse

Vertical resolution (DPI)	Horizontal resolution 75-2400 DPI (variable) speed examples (m/min)			
	75 DPI	300 DPI	600 DPI	2400 DPI
600 DPI	304	76	38	10
300 DPI high speed	608	152	76	19
300 DPI (row A)	304	76	38	10
300 DPI (row B)	304	76	38	10

Specifications	CBF
Max print height	50.8 mm / 2"
Weight	0.136 kg
Dim (LxWxH) mm	167 x 130 x 18

PC min. configuration	OPC	RPC
Max print height	101.6 mm / 4"	203.2mm / 8"
Hard disk	>360 GB	>500 GB
RAM	2 GB	4 GB
Processor	3 GHz i3	3,2 GHz i3
Power supply	430 W	650 W
Operating System	Windows XP Pro / Win7	
Weight	11.0 kg	16.4 kg
Dim (WxDxH) cm	42 x 20 x 43	43 x 48 x 18

The above specifications show the approximate minimum configurations.

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