

HSAJET® CBF Controller

CBF / OPC / RPC

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

HSAJET® printer controller boards for HP Thermal InkJet 2.5 technology

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

Expand the print height

Each CBF 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® 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.



CBF CONTROLLER BOARD

Dependable communication

Each CBF has encoder, sensor and serial connection. Ethernet communication is made through the PC's 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 side 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 300 m/min in 300 x 150 DPI

- GRAPHICS
- COUNTERS
- SHIFT CODES
- VARIABLE TEXT
- FIXED TEXT
- 1D & 2D CODES*
- DATE & TIME (REAL-TIME & ADJUSTED)
- WINDOWS FONTS

* For information on specific barcodes please go to www.hsasystems.com



Technical Details



CBF CONTROLLERS CBF / OPC / RPC

Technology

HP TIJ 2.5

Print height

CBF: up to 50.8 mm / 2" per CBF

Printheads

1-, 2-, 3- or 4-pen F-type printheads per CBF

OPC: 1-2 CBFs

RPC: 1-4 CBFs

Print 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)

Software menu language

English (multiple languages)

Print functions, eg.

Database printing
(SQL - Txt - Access - Excel)

Prompt

User defined print log

Barcode log

Error log

Print options

Variable DPI

Left/Right, Upside-down

Other side, Bidirectional

Inverted, Global Ink Reduction

Layout options

Object rotation in 90 deg interval

Link field content

Works with mm/inch/point/pixel

Remote controlling

Start/Stop

Exchange job

Create jobs

Edit jobs

Change field content per print

Change print preferences/parameters

Interface

RS232 (serial)

Ethernet (LAN) 1 Gbit (via PC)

USB 2.0 (via PC)

CD-drive (via PC)

Camera connection (USB)

Control connection (SUB D15)

Encoder Input 3-33V (SUB D9)

In-/output 3-33 V (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

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

Accessories

- F-type printheads (see other flyer)
- Distributor box
- 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

*) Dependent on controller and software

Specifications	CBF
Max print height	50.8 mm / 2"
Weight	0.136 kg
Dim (LxWxH) mm	167x130x18

PC min. configuration	OPC	RPC
Max print height	101.6mm / 4"	203.2mm / 8"
Hard disk	>360 GB	>320GB
RAM	4 GB	4 GB
Processor	3 GHz i3	3 GHz i3
Power supply	400 W	650 W
Operating System	Windows 8.1 Pro 32 bit (UK)	
Weight	7.2 kg	15.0 kg
Dim (WxDxH) cm	20x43x42	43(48)x53x18

The above specifications show the approximate minimum configurations.

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