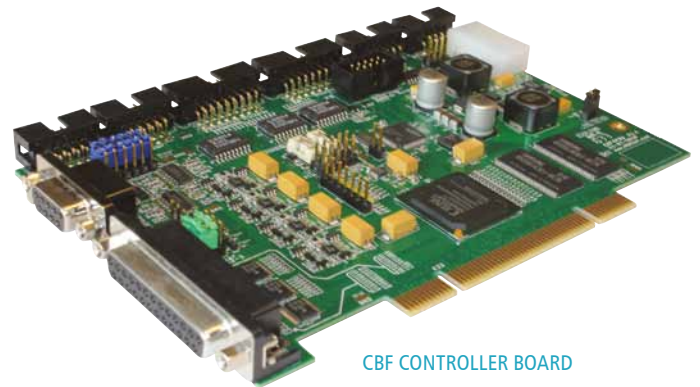# HSAJET®
CBF Controller CBF / OPC / RPC

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

CBF CONTROLLER BOARD

HSAJET® printer controller boards for HP TIJ 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 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® 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. 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 both 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
- SHIFT CODES
- FIXED TEXT
- REAL-TIME PRINTING
- WINDOWS FONT

- COUNTERS
- DATE & TIME
- LINEAR & 2D BARCODES*
- VARIABLE TEXT

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

HSAJET®

The first choice in package printing.

HSA SYSTEMS
A UNIQUE IMPRINT

hp Inkjet Technology

Technical Details

CBF CONTROLLERS CBF / OPC / RPC

HP Inkjet Technology

Technology
HP TIJ 2.5

Printhead frequenzy
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 Gbit 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
• Midi 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	167x130x18

PC min. configuration	OPC	RPC
Max print height	101.6mm / 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	42x20x43	43x48x18

The above specifications show the approximate minimum configurations.

CHECK OUR WEBSITE FOR LATEST REVISION OF THIS DATASHEET

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DISTRIBUTOR: