

HSAJET® Print Controller Board

PREMIUM CB6e

Premium controller board for use
with the new series of printheads
utilizing HP TIJ 2.5 technology

HSAJET® printer controller boards for HP Thermal InkJet 2.5 technology

The Premium CB6e controller board is latest addition to our range of dependable controllers for our HP TIJ 2.5 printheads.

Up to 8" print height per board

The CB6e board is based on PCI express and can control up to 4" of print height. For additional print height, a plug-board can be connected to increase the print height by an additional 4", providing a total print height of 8" via one controller board.

Controllers built on CB6e

We deliver the CB6e in an office-style PC (OPC), specially configured to match printing requirements. Ask for our PC recommendations if the CB6e is to be used for integration purposes.

If a more powerful or less space demanding solution is required, the Mini-PC with an i7 processor is available. For installation into rack mounts, etc., a rack-style PC is also available.

Our standard PC's are delivered with the Windows 7 operating system and OBJ InkDraw printing software.

HSAJET® software

CB6e solutions are controlled by our software versions specially designed for coding/marketing and pharmaceutical applications. The intuitive software has all the features required, including a database connection.

Powerful solution

The combination of hardware and software provides a powerful printing solution for integrated and turnkey applications.



CB6e PREMIUM
CONTROLLER BOARD

Premium series

In addition to the CB6e board, the Premium series consists of the Premium MiniTouch, the Premium TIP15 and the essential Premium printheads.

Premium printhead

The centrepiece innovation of the Premium series is the hard anodised aluminium Premium printhead. The printhead has a stainless steel footplate, which ensures that the printhead is completely free of static electricity. Ink cartridges are easy to replace and are held in the correct position without the use of a latch. Read more about the Premium printheads in separate flyer.

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

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

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

Technical Details



HSAJET® PREMIUM CB6e PRINT CONTROLLER BOARD

Technology

HP TIJ 2.5

Print height

2": CB6e

4": CB6e + crypto key

6": CB6e + crypto key + plug-board

8": CB6e + crypto key + plug-board

Printheads

HSAJET Premium printheads (see flyer)

Print distance

0.5-5.0 mm depending on ink and speed, typically 0.5-2.0 mm (nozzle to print surface)

Voltage

PC AT-connector 5V and 12V DC

Design software

OBJ InkDraw (with limitations)

Print & Verify (with PGH system)

Mail InkDraw (available in 2015)

Software menu language

English (multiple languages)

Print functions, e.g.

Database printing (SQL - Txt - Access)

User prompt

User defined print log

Error log

Print options

Variable DPI

Left/Right, Upside-down

Other side, Inverted

Layout options

Max. length 65000 px
(~277 cm in 600 DPI)

Object rotation in 90 deg intervals

Link field content

Works with mm/inch/point/pixel

Unlimited number of objects

Remote controlling via protocol

Start / stop print job

Change field content per print

Change print preferences/parameters

Interface

Printhead connections (2x RJ45)

Camera connections (3x RJ45)

I/O Panel connection (1x RJ45)

Direct I/O connections (2x10 and 2x16)

Signals

14 digital inputs / 12 digital outputs*

Check content/reject signal (option)*

Complies with

CE directives

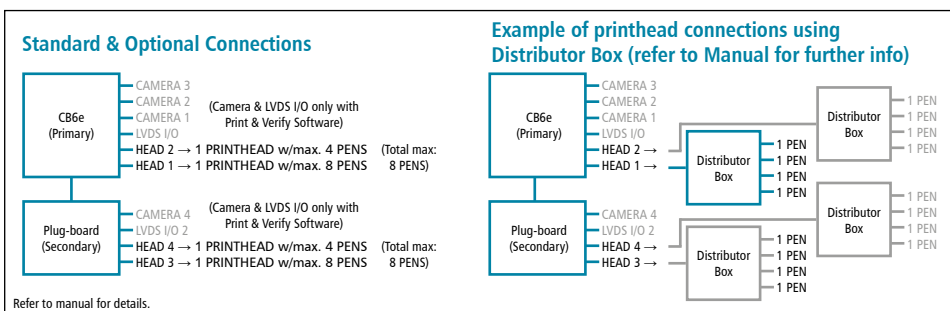
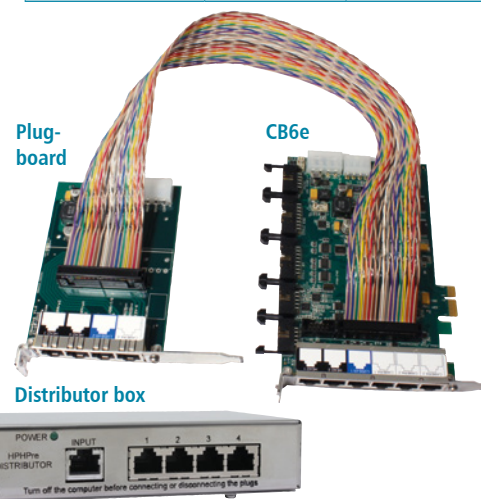
Accessories

- I/O-Encoder Mountkit
- Premium printheads (see other flyer)
- Distributor box
- Sensor and encoder
- Office PC, Mini-PC or Rack PC

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	CB6e	CB6e Plug
Max print height	101.6 mm / 4"	101.6 / 4"
Weight (excl. cable)	0.138 kg	0.082 kg
Dim (LxWxH) mm	159x122x20	113x78x20



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DISTRIBUTOR:



150 William Street
Perth Amboy, NJ 08861
Toll Free: 1-800-298-8936
Local: 1-732-324-0800
Fax: 1-732-324-4488
sales@hsausa.com
www.hsausa.com