

HP OEM TIJ 2.X Platform



Tri-color Empty Printhead and Enablers

Compact, versatile solution for process color printers



Application examples:

- Check validation
- Color receipts and POS
- Coupons
- Document scanning
- Fingernails
- Handheld printing
- Mobile printing
- Passbooks
- Pharma labels
- Tickets



Get maximum flexibility to design and develop the most cost-effective and compact small-format printer products for your needs. The HP OEM TIJ 2.X platform comprises an empty CMY cartridge and a variety of key enablers.

With HP TIJ 2.X, you can leverage the same HP thermal inkjet technology field-proven in the HP TIJ 1.0 and 2.5 platforms to build your own print mechanism, without the need to tear down and recycle unwanted plastic and parts.

Compact form factor

HP TIJ 2.X enablers can be thought of as the components of a deconstructed printer, but without unnecessary overhead. You can get just the components you need for your application. This provides you with maximum flexibility to create a uniquely compact solution with quiet operation.

Process CMY color

HP TIJ 2.X enables you to advance to full CMY process color. HP tri-color printheads offer easy snap-in/snap-out print cartridge installation, simplifying printer operation for end users. The empty cartridges can be filled with vivid HP TIJ 2.X inks or, alternatively, licensed OEMs may work with approved HP third-party ink fillers to round out their ink portfolio needs. It is the responsibility of the OEM to perform their own risk assessment and/or further testing to ensure the final product meets all applicable regulatory requirements.

Cost-effective performance

HP TIJ 2.X is a high-performance, reliable, and cost-effective development platform. It has a small form factor, yet high resolution at 1200 x 600 dpi with 15 ips process color.

Range of versatile enablers

HP evaluated all the parts in the HP Envy class printers and selected the key enablers needed by OEMs to build their own print mechanisms. The HP TIJ 2.X empty printhead cartridge, cartridge driver ASIC, cap assembly, elastomer pad, and wiper are available as part of the HP TIJ 2.X platform. A reference design is provided to execute a flexible printed circuit board, reducing your development time and improving your time to market.

Technical specifications

HP OEM TIJ 2.X enablers specifications

Product offering HP TIJ 2.X printheads and enablers for OEMs capable of designing and building a complete print mechanism. Ask your account manager about your enabler requirements.

P/N



E7N48A

HP OEM ASIC Cartridge Driver



W3T05A

HP Elastomer Pad



W3T06A

HP Cap Assembly



3UB19A

HP Servicing Color Wiper

HP OEM TIJ 2.X printhead specifications

Printhead



3UB14A

HP 62 Tri-color Empty Ink Cartridge

Print swath

14.48 mm (0.57 in)

Nozzle count

2052 nozzles in three columns, with 342 nozzles per color for each drop size

Resolution

600 dpi

Average drop volume

Dual drop weight nozzles for each color

Interconnect pads

32 electrical

Firing frequency

24 kHz maximum

Thermal sense resistors

Used for cartridge block warming and temperature monitoring

Print speed

Up to 15 ips depending on print quality setting, coverage and media size

Print quality

Results vary based on the OEM solution, image, and print mode

Image format

N/A since HP does not provide the pipeline

Operating environment (empty)

- Storage temperature range: 15°C to 35°C (60°F to 95°F)
- Shipping temperature range: -40°C to 60°C (-40°F to 140°F)
- Storage humidity range: 20% to 80% (non-condensing)
- Shipping humidity range: 5% to 100% (non-condensing)

Ink cartridge type

Tri-color integrated printhead and ink supply prints cyan, magenta, and yellow

HP ink type

N/A, empty printhead

Ink capacity (ml)

15ml total ink. Contact your ink fill partner for details

Dimensions (L x W x H)

5 cm x 3 cm x 4 cm (1.97 in x 1.18 in x 1.57 in)

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