



HP Magenta 2820 and Black 2830 Print Cartridges and Cartridge Driver ASIC

Design, innovate, create—build a new competitive advantage with HP



Target customers

Industrial OEMs who design high-performance, small form-factor printers for transaction and logistics applications in financial and educational institutions, restaurants, businesses, government agencies, and distribution centers.

Applications

Transactional applications including logistics printing, check endorsements/cancellations, bank/POS receipts, tickets, food orders, and document scanners/printers.

Key highlights

HP TIJ 2.x print cartridges, with Original HP magenta or black inks, and the cartridge driver ASIC provide a high-performance, reliable, and cost-effective development platform and easy, reliable operation:

- Ultra-compact form factor, quiet operation
- Print resolution up to 1200 x 600 dpi at 30 in/sec (0.75 m/s)
- 0.56-inch/14.2-mm print swath
- Sharp text, images, graphics, and barcodes
- Built-in service station for high system reliability

Design and develop innovative new products. The form factor is ultra-compact, yet the features and potential for your business are large. HP TIJ 2.x print cartridges and the cartridge driver ASIC deliver fast, high-resolution printing in a solution that provides easy, reliable, and cost-effective operation.

Raise your printing performance

Deliver high speed and high quality with HP TIJ 2.x technology. Produce sharp text, images, graphics, and barcodes up to 1200 x 600 dpi at 30 in/sec (0.75 m/s). With non-contact, drop-on-demand inkjet technology, HP TIJ 2.x technology provides quiet, reliable printing.

Create innovative solutions for your customers

Develop unique products with high-performance printing capability. Together, HP TIJ 2.x inks, print cartridges, and the cartridge driver ASIC offer a high-performance, reliable, and cost-effective development platform for building a wide range of customized printing solutions. The cartridge driver ASIC communicates with the print cartridge and converts digital control and data to cartridge drive signals.

Rely on proven HP technology

Build your solution upon HP quality and reliability. Leveraging nearly three decades of expertise, HP offers OEM solutions based on simple, reliable, and cost-effective technology that's been proven, time and again, in challenging transaction and logistics applications.

Technical specifications



HP Magenta 2820 Print Cartridge

HP Black 2830 Print Cartridge

| | | |
|---|--|--|
| Ink type | Original HP dye-pigment blend ink | Original HP pigment-based ink |
| Resolution | Up to 1200 x 600 dpi | Up to 1200 x 600 dpi |
| Nozzle count | 672 | 672 |
| Print swath | 0.56 inches (14.2 mm) | 0.56 inches (14.2 mm) |
| Maximum firing frequency | 18 kHz | 18 kHz |
| Average drop volume | 12.8 pl | 12.13 pl |
| Average delivered ink | 4.5 ml | 4.7 ml |
| Number of electrical interconnect pads | 31 | 31 |
| Operating conditions | 15 to 32° C (59 to 90° F), 20 to 80% RH | 15 to 32° C (59 to 90° F), 20 to 80% RH |
| Shipping/storage conditions | 10 to 40° C (50 to 104° F), 5 to 95% RH Altitude: 0 to 4572 meters (0 to 15,000 feet) Orientation: nozzles on the side | 10 to 40° C (50 to 104° F), 5 to 95% RH Altitude: 0 to 4572 meters (0 to 15,000 feet) Orientation: nozzles on the side |

Ordering information

HP cartridge driver ASIC

| Product number | Product description |
|----------------|----------------------------------|
| E7N48A | HP TIJ 2.x Cartridge Driver ASIC |

HP print cartridges

| Product number | Product description |
|----------------|---|
| CC602A | HP Magenta 2820 Dye-pigment Blend Print Cartridge |
| FOL35A | HP Black 2830 Pigment Print Cartridge |

Why choose HP Specialty Printing Systems (SPS)?

At HP SPS, we provide industry-leading technology designed to boost your customers' satisfaction and profitability. Our technology is uniquely adaptable, helping you easily address new and diverse market needs. Our expansive portfolio includes products, supplies, services, and support to help you deliver high-performance, reliable, and cost-effective solutions. By building on the foundation of HP, you can grow your business today and well into the future.

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