

illumex®

X8 DATABASE

HPTIJ2.5 THERMAL INKJET PRINTER



Our Printers Do More

Engineered for high-speed, high-reliability environments, illumex® printers offer cutting-edge automation tools to simplify workflows, enhance traceability & ensure seamless integration with your production line.



HIGH SPEED
Print upto 200m/min



TRUE PRINT® TECHNOLOGY

Unmatched print quality with NO GAP printing (nonstop) ideal for applications demanding high resolution imagery



HMI & INDUSTRIAL 4.0
Reliable & rapid communication



POLYMER THERMAL INKJET TECHNOLOGY
Next-generation inkjet printing, powered by polymer resins





Stitched Printheads



Single Printheads

Intelligent Thermal Inkjet Automation

At illumex®, we have redefined the possibilities of industrial printing with cutting-edge HPTIJ2.5 thermal technology designed for speed, precision, and reliability.

Whether it's a simple message or complex multi head, multi lane setups, our HP thermal inkjet printers deliver precise, scalable coding & marking across a broad range of industrial packaging applications.

Parameters:

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illumex® X8 Database	
Technology	HP TIJ 2.5 Thermal Inkjet Technology - Powered by POLYtj® - TruePrint™
Resolution	Vertical: 600 dpi - Horizontal: 40-1200 dpi (Single head!)
Communication Protocol	Industry Standards: HTTP - TCP/IP - RS-232 - RS-485 - Modbus (RTU/TCP)
Screen	10.1 inch - Full Color Touch Display (Capacitive)
Dimensions	Controller: 372 - 184 - 38 mm (H-W-D)
	Printhead: 145 - 91 - 47 mm (H-W-D)
Language	English - Spanish - French - German - Turkish - Chinese - Korean - Russian
Keyboard	English - Arabic - Spanish - French - German - Chinese - Korean - Russian
Counter	The printer is equipped with a built-in counter.
	The counter can be reset for each job or production batch, allowing operators to monitor output and maintain records. 1-101.6 mm
Printing Height	Up to Eight (8) Printheads - Separated or Combined
Printing Speed	Up to 200 metres/minute
Supported Barcodes	Codebar - Code 25 - Code 39 - Code 93 - Code 128 - UPCA - UPCE - EAN - ITF 14
	QR Code - Data Matrix GS1 - Grid Matrix - Maxicode - PDF 417
Date Format	Create your own fully customisable date formats - Best Before, Use-by, Julian Date, etc
Interface	8 x 17 pin aviation interface: printhead connection from 1-8
	1 x Ethernet interface
	1 x USB1 interface (Scanner)
	1 x USB2 interface (USB flash drive and auxiliary communication equipment available)
	2 x 8 pin aviation interface: connect photocell and encoder
	1 x 12 pin aviation interface: connect alarm light, RS232, external IO input
Ink Management	Original HP cartridges only: Automatically recognises the ink and sets optimal firing parameters, whilst calculating ink consumption
Setup	Equipped with side printing and down printing brackets, which can be used for multiple printhead combination installations,
	Optional: Spring-back mechanism, stitched printhead deflector plates (2PH, 4PH, 8PH)
Environment Requirements	Operating environment: -10°C - 55 °C ; 10% - 95% RH
	Storage environment: -20°C - 70 °C ; 10% - 95% RH
Power Input	100-240V - 50/60Hz - 1.5A - 120VA
Power Output	24V - 4A - 96W
Certification	CE - FCC - ROHS

DISTRIBUTOR



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