



# TROY M506 Secure DXi Printers

HP AUTHORIZED - TROY ENHANCED



## TROY Exclusive Security Features



**TROY Variable MicroPrint**  
User defined fields appear as a solid line to the unaided eye which can only be read under magnification.

**TROYMark™**  
Prints a repeating “watermark” of user defined variable document data anywhere on the document to make fraudulent alteration virtually impossible.

**TROY Copy Evident Pantograph**  
A hidden COPY message, printed behind document information, is revealed by unauthorized copying.

## Major Selling Points

- **Most Secure Printing Solution**  
TROY embedded firmware provides industry leading print on demand security features.
- **Reliable Printing**  
HP award-winning reliability combined with printer optimized security from TROY.
- **Versatile Supply Options**  
All TROY printers are fully compatible with either TROY cartridges or standard HP cartridges.

## TROY Toner

### TROY Security Toner

This patented toner features anti-fraud technology that forces a red stain to appear if chemical alteration of a document is attempted. TROY Security Toner is an easy and cost-effective way to add a new layer of fraud protection to all of your important documents.

Secure DXi Printers ship with TROY Security Toner



### TROY Standard UV Toner

Images and text printed with TROY Standard UV Toner appear standard black to the naked eye but fluoresce blue for simple verification. Authentication is achieved when the document is held under a UV light, providing an additional layer of covert security and authentication.

Optional TROY Standard UV Toner

## Add new security features to all of your important laser printed documents

- Government Issued Certificates
- Government Identity Documents
- Educational Reports
- Degrees & Certifications
- Corporate Contracts
- Certificates of Authenticity
- Judicial / Legal Documents
- Medical Documents
- Vital Records
- Titles of Ownership
- Tickets





# M506 Secure DXi Printer Features and Specifications

## TROY Security Features

- TROY Copy Evident Pantograph** - Hidden feature appears across a photocopied version of document
- TROY Customizable MicroPrint Font** - Font appears as a fine line to the unaided eye; visible only under magnification
- TROY Variable MicroPrint** - User defined data can vary by document; characters print as a fine line
- TROY ExPT™** - Realigns margins to allow for accurate placement of data onto printed page
- TROY Toner Sensing** - Detects presence of TROY Toner Cartridges
- Disable Jam Recovery** - Prevents duplicate copies when a jam is created at the printer
- Auto Set Density** - Optimizes print quality by maintaining consistent toner levels; an override is reset with each print job
- Warning Indicator** - Provides toner low notification
- Flash Memory** - Allows downloading of new fonts without requiring updated TROY firmware
- Barcode and Fonts** - U.P.C. Version A & E, EAN 13 & 8, Interleaved 2 of 5, Code 39, Code 128, Postnet, and Security Fonts
- Menu Administrator Password** - Identifies each user with a unique password
- Uses TROY or HP Standard Toner Cartridges** - TROY security features require TROY Toner Cartridges
- PIN-Activated Controls** - Allows printer to be set up with PIN control requiring PIN for each print job
- TROY Enhanced Audit** - Provides a secure printer-resident record of select information
- Datastream Encryption and Decryption** - Protects confidential data over the network
- Password Protected Signatures & Logos** - Security and controls for data sent to the printer
- 3-Position Keylock Printing Control** - TROY Secure, Locked, and Standard HP
- TROYMark™ Intelligent Anti-Tampering Technology** - A watermark of user defined variable data
- Paper Tray Security Locks** - Safeguards high value paper stock providing access to authorized personal only
- PJL Bi-Directional Function** - Allows bi-directional communication from the printer to customer applications

Part Number	Description	#Trays x #Sheets Each/#Locks	Shipping Dimension & Weight
01-04650-111	TROY M506dn Secure DXi Printer	1 x 550 / 1 Lock	20x16x18 49 lbs (22 kg)
01-04650-111UV	TROY M506dn Secure DXi Printer	1 x 550 / 1 Lock	20x16x18 49 lbs (22 kg)
01-04650-221	TROY M506dn Secure DXi Printer	2 x 550 / 2 Locks	20x21x27 69 lbs (32 kg)
01-04650-221UV	TROY M506dn Secure DXi Printer	2 x 550 / 2 Locks	20x21x27 69 lbs (32 kg)
01-04650-112	TROY M506dtn Secure DXi Printer	1 x 550 / 1 Lock	20x16x18 49 lbs (22 kg)
01-04650-112UV	TROY M506dtn Secure DXi Printer	1 x 550 / 1 Lock	20x16x18 49 lbs (22 kg)
01-04650-222	TROY M506dtn Secure DXi Printer	2 x 550 / 2 Locks	20x21x27 69 lbs (32 kg)
01-04650-222UV	TROY M506dtn Secure DXi Printer	2 x 550 / 2 Locks	20x21x27 69 lbs (32 kg)

Part Number	Description	Page Yield*	Shipping Dimension & Weight
02-81675-700	TROY M506/M527mfp Security Toner STY Cartridge	9,000	16 x 7 x 11 5.0 lbs (2.3 kg)
02-81676-700	TROY M506/M527mfp Security Toner HY Cartridge	18,000	16 x 8 x 13 5.5 lbs (2.5 kg)
02-81672-001	TROY M506/M527mfp Standard UV Toner STY Cartridge	9,000	16 x 7 x 11 5.0 lbs (2.3 kg)
02-81673-001	TROY M506/M527mfp Standard UV Toner HY Cartridge	18,000	16 x 8 x 13 5.5 lbs (2.5 kg)

\*based on 5% letter coverage

Part Number	Description
77-00001-506	TROY M506 Next Day Service With Warranty
77-00002-506	TROY M506 Same Day Service With Warranty
77-00003-506	TROY M506 Next Day Service W/O Warranty
77-00004-506	TROY M506 Same Day Service W/O Warranty
77-00031-506	TROY M506 3 Year Next Business Day Service Contract
77-00032-506	TROY M506 3 Year Same Business Day Service Contract
77-00051-506	TROY M506 5 Year Next Business Day Service Contract
77-00052-506	TROY M506 5 Year Same Business Day Service Contract

## General Specifications

Print Speed (Letter):	Up to 45 ppm
First Page Out	As fast as 5.9 sec from Ready mode
Processor	1.2 GHz
Paper Trays, Std	2
Paper Trays, Max	5
Input Capacity, Std	650 sheets
Input Capacity, Max	2,300 sheets (with 3 optional 550 sheet input trays)
Output Capacity, Std	250 sheets
Output Capacity, Max	250 sheets
Envelope Input, Std	10
Envelope Feeder	No
Two-Sided Printing	Automatic (standard)
Prints Color	No
Print Quality, Black Best	Up to 1200 x 1200 dpi
Print Resolution Technology	300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200
Print Languages, Std	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation
Display Type	4-line color LCD (text); 19 buttons; 3 LED
Duty Cycle, Monthly	Up to 150,000 pages
Recommended Monthly Volume	2,000 to 7,500 pages
Media Types	Paper (bond, color, letterhead, plain, preprinted, pre-punched, recycled, rough), envelopes, labels, cardstock, transparencies, user-defined
Media Sizes, Std	Letter, legal, 8.5 x 13 in, executive, envelopes
Media Sizes, Std, Metric	A4, A5, B5 (JIS), A6
Media Sizes, Custom	Tray 1: 3 x 5 in to 8.5 x 14 in; tray 2 and optional trays 3, 4: 4.1 x 5.8 in to 8.5 x 14 in
Media Sizes, Custom, Metric	Tray 1: 76 x 127 to 216 x 356 mm; tray 2 and optional trays 3, 4: 105 x 148 to 216 x 356 mm
Media Weights	All Trays : 16 to 58 lb for plain paper 28 to 58 lb for glossy paper
Media Weights, Metric	All Trays : 60 to 220 g/m <sup>2</sup> for plain paper 105 to 220 g/m <sup>2</sup> for glossy paper
Connectivity, Std	Hi-Speed USB 2.0, 1 open EIO slot, HP Jetdirect 1/100/1000T Ethernet embedded print server, 1 external Host USB, 2 internal accessory ports for HP and partner solutions
Mobile Printing Capability	None
Memory, Std	512 MB
Memory, Max	1.5 GB
Hard Disk Drive	Optional, HP High-Performance Secure EIO Hard Disk (EIO Hard Drive)
Power Supply Type	Internal power supply
Power Supply Required	110-volt input voltage: 100 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz)
Power Consumption	741.98 watts (Printing), 13.72 watts (Ready), 2.51 watts (Sleep), 0.08 watts (Off)
Printer Dimensions (W x D x H)	16.46 x 14.80 x 18.94 in
Printer Weight	25.5 lb
Printer Dimensions, Metric	418 x 376 x 481 mm
Printer Weight, Metric	11.8 kg

## Contact

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