

DATASHEET

VIApack

VIApack is a complete and affordable thermal inkjet printing system for industrial and packaging marking applications, such as batch codes, date codes, fixed and variable texts, graphics and barcodes. This simple system includes everything you need to be up and printing in minutes: the powerful universal print controller MPERIA®, a thermal inkjet printhead, power supply, photocell, Ethernet cable and mounting hardware. In addition to VIApack hardware, bulk ink hardware packages are available.

MPERIA® offers a wide selection of common barcode symbologies, TrueType fonts with print color density setting, pre-formatted counters and user-defined variable data, printed in real time. Both porous and non-porous inks are available, making MPERIA® a versatile solution for marking onto corrugated, chipboard, clay-coated cartons and some plastics. When your requirements change or require more capability, MPERIA® preserves the value of your investment by enabling a complete upgrade path. Printheads can be added. Controllers can be networked. Add an on-board message editor, import databases or enable Virtual Network Computing (VNC). MPERIA® allows you to tailor a system to meet your needs.

VIApack Technical Specifications

Package Contents

- 7" (177mm) VIApack controller
- VIAjet™ L-Series L12: 1/2" (12.7 mm) printhead
- Photocell
- Mounting brackets
- MPERIA® Creator: Windows-based message creator
- Power supply
- Manuals & software

Inks

- Water- and solvent-based (including fast drying MEK) for porous and non-porous surfaces
- Various colors available

Hardware Options

- 1 additional VIAjet™ L-Series L12 for doublesided printing
- Encoder
- Hand scanner
- Warning light
- Bulk ink delivery system*

FEATURES

- + Up to 1/2" print height (12.7 mm)
- + High-resolution print (600 x 600 dpi) at over 196 ft./min (59.74 m/min)
- + High-speed print (600 x 75 dpi) at 1,660 ft./min (488 m/min)
- + Cartridge technology: fast changeovers, no maintenance
- + Ink options for porous and non-porous, including water-based, alcohol, and MEK-based inks
- + Easy to install bundled package with controller, printhead, mounting and photocell all in one—ready to print on any substrate



Controller

Basic Package

- + Easy to use 7" (177 mm) multilingual touchscreen interface
- + Operator error reduction via simple message selection with real-time print preview MPERIA® Creator: Powerful Windows-based message editor
- + Simple transfer of messages from desktop PC via USB or direct from optional Ethernet network

Upgrade Options

- + MPERIA® Editor: Easy to use on-board message editor
- + MPERIA® Select: Barcode scanner for printout selection

Communications & Networking

- + RS232 Serial Port

- + MPERIA® Connect: Activates built-in Ethernet port for external communication and message transfer.
- + MPERIA® Portal: Remote control and monitor via VNC

Print Features

- + High-speed, high-resolution 0.5" (12.7 mm) print height from a single printhead
- + TrueType fonts with unique ink savings print density and object color settings
- + Online cost per mark and ink usage calculator
- + Static and dynamic text fields
- + User-editable variable fields
- + Customizable data and time codes
- + Customizable sequential and batch counters
- + Barcodes (GS1-128, GS1 Databar, EAN-8/13, UPC-A, ITF/ITF-14, Code39/128) 2D codes (GS1-Datamatrix, Datamatrix, QR, Micro QR)

- + VIApack Expand: Add additional VIAjet™ L-Series L12 printheads for double-sided printing

	Number of ink cartridges	Min. print height	Max. print speed	Max. print distance	Mounting orientation	Printhead dimensions	Electrical and operating temperatures and humidity	IP Rating
L12	1	0.5" (12.7 mm)	1,600 ft / min (488 m / min)	0.25" (6.4 mm)	Horizontal or down	3.4" x 5.1" x 8.3 (87 x 129 x 210 mm) (W x H x L)	96-264 VAC, 50-60 Hz, 0.8A, approximately 50-104 °F (10-40 °C)* 10-95% RH (non-condensing) for water-based ink	IP30

MPERIA®	Screen Size	USB Ports	Supports	Electrical and operating temperatures and humidity	IP Rating
	7"	2	1 VIAjet™ device	96-264V 50/60Hz 1A	IP42

*Requires VIApack expand license