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MPERIA®

The universal print controller MPERIA® manages multiple Matthews printing technologies, including, high- resolution piezo inkjet, high-resolution thermal inkjet and Drop-on-Demand valve inkjet, from a single interface. MPERIA® allows you to manage messages and settings for multiple printers across one or several production lines. Best of all, MPERIA® is scalable, allowing your business to grow without impacting your current marking system.

Pairing an intuitive touchscreen GUI with PC-based hardware, MPERIA® is simple to use and is available in several sizes to meet your needs. Create, edit and manage your printer files easily with MPERIA's® built-in message editor. On-screen editing allows you to build and edit the exact message that will be printed on the production line.

Automation integration functions for scanners, material handling control and custom GUI's are also available. Seamlessly integrate with your ERP-systems and databases to reduce coding errors and improve productivity. Remote control functionality alleviates operator error and efficiently coordinates multiple printers simultaneously. Connect via Ethernet, by simple command line interface over its serial port or wirelessly. MPERIA® can be remotely controlled by Virtual Network Computing (VNC), enabling central message management and remote diagnostics. MPERIA® is available in three base models. The right one for you depends on the size of your production run and your anticipated printing requirements as well as budget. All versions come with one printer connection and additional printer ports can be added using an industrial Ethernet switch.



MPERIA® Lite

MPERIA® Lite is the most compact controller in the MPERIA® product line. This 7" controller manages one VIAjet™ printing technology. Upgrades are available that allow for expanding functions including the number of controlled devices. The MPERIA® Lite also comes in an enclosed version.



MPERIA® Standard

MPERIA® Standard has the capability to support all VIAjet™ printing technologies for simultaneous print control and is ideal for primary, secondary and tertiary marking and coding. Upgrades allow for a virtually unlimited number of VIAjet™ devices and functionalities. The 12" MPERIA® Standard controller also comes in an enclosed version.



MPERIA® Harsh Environment (H.E.)

MPERIA® Standard H.E. has the same capability as MPERIA® Standard and offers a 15" touchscreen in an IP65 stainless steel enclosure making it suitable for harsh environments.

Matthews Marking Systems™

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MPERIA™ Technical Specifications

MPERIA Model	Lite	Lite Enclosed	Standard	Standard Enclosed	Standard H.E
Standard Features	▪ Single production ▪ Line control ▪ VIAjet™ T-Series or ▪ VIAjet™ L-Series or ▪ VIAjet™ V-Series		▪ Multiple production line control ▪ Any simultaneous combination of VIAjet™ T-Series, VIAjet™ L-Series or VIAjet™ V-Series print technologies ▪ MPERIA™ Edit: On-board editor ▪ Built-in data base ▪ Built-in Ethernet interface		▪ Multiple production line control ▪ H.E. Enclosure ▪ MPERIA™ Edit: On-board editor
VIAjet™ Devices Supported*	▪ VIAjet™ L-Series Cartridges ▪ VIAjet™ T-Series ▪ VIAjet™ V-Series		▪ VIAjet™ Devices (Additional licenses can be added for virtually unlimited VIAjet™ devices)		▪ VIAjet™ Devices (Additional licenses can be added for virtually unlimited VIAjet™ devices)
License Upgrades**	▪ Lite Expand ▪ Edit ▪ Connect ▪ Portal ▪ Base ▪ Select ▪ App	▪ Lite Expand ▪ Edit ▪ Connect ▪ Portal ▪ Base ▪ Select ▪ App	▪ Standard Expand ▪ Portal ▪ Select ▪ App ▪ netFolder	▪ Standard Expand ▪ Portal ▪ Select ▪ App ▪ netFolder	▪ Standard Expand ▪ Portal ▪ Select ▪ App ▪ netFolder
Screen Size	7″	7″	12″	12″	15″
USB Ports	2	2 (1 internal and 1 external)	2	2 (1 internal and 1 external)	2
Ethernet Ports	1 (License enabled)	1 (optional)	1	1	1
Serial Ports (RS232)	1	1	2	2	1
Enclosed Main Power Supply and Ethernet Switch	No External main power supply adapter included	Yes	No External main power supply adapter included	Yes	No External main power supply adapter included
IP Rating	IP42	IP54	IP40	IP54	IP65
Electrical	96-264V 50/60Hz 1A	96-264V 50/60Hz 1A	96-264V 50/60Hz 1A	96-264V 50/60Hz 1A	96-264V 50/60Hz 1A

* **L-Series** High-Resolution Thermal Inkjet.
T-Series High-resolution Piezoelectric Inkjet.
V-Series Drop-on-Demand Valve Jet.

****App** Enables the use of application-specific plug-in(s). Plug-ins may cause additional charge for development.
Base Enables internal database.
Connect Activates ethernet port for external communication.
Edit Enables message editor to MPERIA™ Lite.
Lite Expand Doubles the print head drive-capacity of MPERIA™ Lite. Allows any combination of VIAjet™ L- Series heads up to a total of 4 Cartridges or 2 VIAjet™ V-Series or 2 VIAjet™ T-Series devices.
Portal Enables Virtual Network Computing (VNC) connection for remote control/monitoring of UI.
Select Enables selector protocol for remote message selection using barcode scanner.
Standard Expand Adds a multiple of 2 additional VIAjet™ devices of any technology.
netFolder Allows data exchange with databases and ERP systems using SAMBA (Windows file sharing).

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