



DATASHEET

MPERIA®

Maximize the efficiency of your production line marking with the industry's only true universal controller.

MPERIA gives you:

- + An operator-friendly, intuitive touchscreen user interface
- + Centralized, single point of control for marking and coding with VNC support for remote access
- + Seamless database integration with your backend business systems
- + Future-proof, scalable growth capacity

Ideal Applications

- + Primary, secondary, and tertiary packaging lines of any size
- + Data automation for marking and coding
- + Existing marking equipment not fully depreciated

Advantages

- + Easily control multiple marking technologies and production lines from a single interface
- + No middleware or additional hardware required
- + Seamlessly integrate with PLCs and backend databases (ERP, WMS, WES, MES)
- + Incorporate third-party equipment with simple plug-in architecture
- + Effortless message creation and editing on an easy-to-use UI
- + Dynamically validate codes, text, and graphics with vision verification systems
- + Reduce costly human error with message and code automation
- + Scalable for higher production volume without the need to add additional controllers



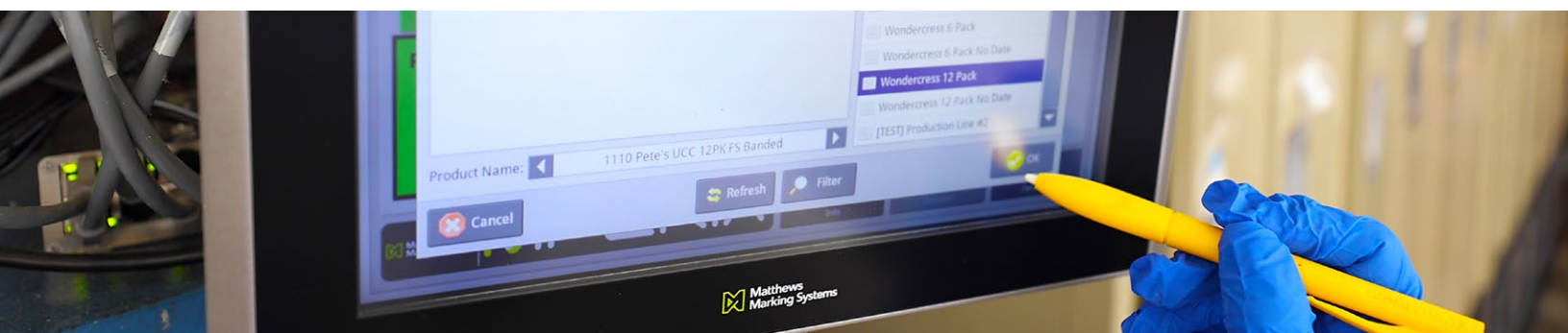
MPERIA and L-Series marking



MPERIA emulating third-party software



MPERIA and database integration



MPERIA® Controller Specs



MPERIA® 8"

Hit peak performance on your production line or quickly add capacity with MPERIA 8". Compact and powerful, this controller drives a single Matthews Marking Systems' technology and can easily grow as your demand does.



MPERIA® 12"

Drive productivity in your primary, secondary, and tertiary marking and coding with MPERIA 12". Centralized control and simultaneous printing of multiple Matthews Marking Systems' technologies in an intuitive, 12" interface.



MPERIA® 15" Harsh Environment (HE)

All the power of the MPERIA platform in a 15" touchscreen perfectly suited for harsh environments with an IP65-rated stainless steel enclosure.

	8"	12"	12" Enclosed	15" Harsh Environment
Standard features*	<ul style="list-style-type: none"> + Single production line control + Any single marking technology*: L-Series, T-Series, V-Series, Laser + MPERIA® Edit: On-board message editor 	<ul style="list-style-type: none"> + Multiple production line control + Any simultaneous combination of A-Series, L-Series, Lasers, T-Series, or V-Series + MPERIA® Edit: On-board message editor + Built-in database + Built-in Ethernet interface 		
License upgrades**	<ul style="list-style-type: none"> + Lite Expand + Connect + Portal + Base + Select + App + netFolder 	<ul style="list-style-type: none"> + Standard Expand + Portal + Select + App + netFolder 		
Screen size	8"	12"		15"
USB ports	1	2	2 (1 internal, 1 external)	2
Ethernet ports	1	1		
Serial ports	1 M12	2 RS232		1 RS232
Enclosed main power supply and Ethernet switch	No	No (External main power supply adapter included)	Yes	No (External main power supply adapter included)
IP rating	IP55 ¹	IP40	IP54	IP65
Electrical	100-240V 50/60 Hz 1A		96-264V 50/60Hz 1A	

***A-Series:** Automatic Print and Apply Labeling (note: MPERIA 8" controller will support A-Series at a future date TBD) . **L-Series:** Thermal Inkjet (TIJ), **Lasers:** Fiber, CO2, Diode. **T-Series:** Piezoelectric Inkjet. **V-Series:** Drop-on-Demand Valve Jet.

****App:** Enables the use of application plugins, which may incur development charges. **Base:** Enables internal database. **Connect:** Activates Ethernet port for external communication. **Lite Expand:** Doubles drive capacity of MPERIA 8", allowing a combination of up to 4 L-Series cartridges or 2 V-Series/T-Series devices. Marking technologies cannot be mixed/combined. **Portal:** Enables Virtual Network Computing (VNC) connection for remote control/monitoring of the user interface. **Select:** Enables selector protocol for remote message selection using barcode scanner. **Standard Expand:** Adds support for additional Matthews Marking Systems' devices of any technology, in multiples of 2. **netFolder:** Allows data exchange with databases and ERP systems using SAMBA (Windows file sharing).

¹IP55 rating requires M12 connections connected or capped if not utilized