



## DATASHEET

# MPERIA<sup>®</sup>

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

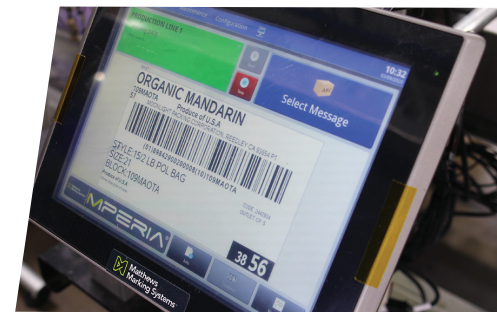
- + Easily control multiple marking technologies and production lines from a single interface
- + No middleware or additional hardware required
- + Seamlessly integrate with PLCs and backend databases (ERP, WMS, WES, MES)
- + Incorporate third-party equipment with simple plug-in architecture
- + Effortless 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 Standard and L-Series marking



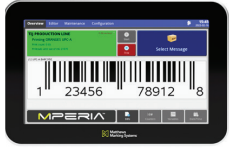
MPERIA Standard emulating third-party software



MPERIA Standard 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"> <li>+ Single production line control</li> <li>+ Any single marking technology*: L-Series, T-Series, V-Series, Laser</li> <li>+ MPERIA® Edit: On-board message editor</li> </ul> | <ul style="list-style-type: none"> <li>+ Multiple production line control</li> <li>+ Any simultaneous combination of A-Series, L-Series, Lasers, T-Series, or V-Series</li> <li>+ MPERIA® Edit: On-board message editor</li> <li>+ Built-in database</li> <li>+ Built-in Ethernet interface</li> </ul> |                               |   |
| License upgrades**                             | <ul style="list-style-type: none"> <li>+ Lite Expand</li> <li>+ Connect</li> <li>+ Portal</li> <li>+ Base</li> <li>+ Select</li> <li>+ App</li> <li>+ netFolder</li> </ul>   | <ul style="list-style-type: none"> <li>+ Standard Expand</li> <li>+ Portal</li> <li>+ Select</li> <li>+ App</li> <li>+ netFolder</li> </ul>  |                               |   |
| Screen size                                    | 8"   | 12"  |                               | 15"   |
| USB ports                                      | 1  | 2  | 2<br>(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<br>(External main power supply adapter included)  | Yes                           | No<br>(External main power supply adapter included) |
| IP rating                                      | IP55 <sup>1</sup>  | 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, CO<sub>2</sub>, 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).

<sup>1</sup>IP55 rating requires M12 connections connected or capped if not utilized