

Industrial Handheld DPM Reader V460-H

Industrial Handheld DPM Reader with Ethernet Connectivity.

- Industrial, IP65-rated, handheld DPM (Direct Part Mark) reader with built-in PoE (Power over Ethernet) network connectivity for demanding manufacturing applications.
- Superior out-of-box reading for challenging DPM codes – minimal effort required for most applications.
- Intuitive browser-based setup and runtime monitoring via Omron's WebLink^{HH} user interface (no need for software installation).
- Three predefined Modes of Operation ("recipes"): Auto Lighting (default), Torch Lighting, and Close-Up Lighting.
- Support for up to 20 user-defined database configurations ("custom recipes").
- Industry-leading DPM reading performance with Omron's X-Mode decoding technology.
- Patented multi-axis lighting technology for imaging challenging DPMs on a variety of part geometries, materials, and surface preparations.
- Auxiliary high-power torch lighting for longer range reading of 1D/2D codes up to 254 mm [10"] away.
- Multiple LED colors, allowing several lighting combinations for successful decodes in any situation: red, green, and blue (Dome lighting, independently and/or in combination); red (Dark Field low-angle – north and south, independently, and/or in combination); and white (Torch, independently).
- Extended read range (contact to 254 mm [10"] with built-in liquid lens autofocus optics).
- Simple point-and-click targeting with audible, haptic/vibration, and multi-directional visual indicators for real-time operator feedback.
- Automatic detection of codes within the field of view in Presentation Mode (Time-of-Flight technology), eliminating the need for continuous or manual triggering.
- Built-in Ethernet – no separate interface box required.
- Direct-wired fieldbus connectivity to PLCs via built-in EtherNet/IP and PROFINET. Function Block Library and Sample Program for Omron Controllers available for download.
- Full PoE (Power over Ethernet) capability for easy connectivity and portability over a single cable without the need for a separate power supply.




Features

- Reliable out-of-box performance.
- Simple reader configuration with WebLink^{HH}.
- Liquid lens autofocus optics.
- Extended read range: contact to 254 mm [10"].
- Alternate multi-color lighting configuration.
- Audible, haptic/vibration, and multi-directional visual indicators.
- IP65-rated.
- Rugged hardware – compliant with IEC-60068-2-31 drop-and-tumble standard and ISO-16750-5 chemical resistance standard.
- Full PoE – Power over Ethernet (IEEE 802.3af).
- Ethernet TCP/IP, EtherNet/IP, and PROFINET.



V460-H

Ordering Information

1. Handheld DPM Reader

Appearance	Description	Part Number
	V460-H Handheld DPM Reader, Black Grey, PoE Wired, with X-Mode	V460-H0PX

2. Cables

Appearance	Type	Length	Part Number
	Ethernet Communication Cables – Straight Connectors M12 Plug on Reader to RJ45 Connector	1 Meter	V430-WE-1M
		3 Meters	V430-WE-3M
		5 Meters	V430-WE-5M
	Standard Ethernet Cables, In-Cabinet Use Standard RJ45 Connectors on Both Ends Green	1 Meter	XS6W-5PUR8SS100CM-G
		3 Meters	XS6W-5PUR8SS300CM-G
		5 Meters	XS6W-5PUR8SS500CM-G
		10 Meters	XS6W-5PUR8SS1000CM-G
		15 Meters	XS6W-5PUR8SS1500CM-G

3. PoE Injector and RAM® Mount Accessories

Note: Omron recommends **RAM® Mount** brackets and mounts for hands-free operation in **Presentation** mode.

Appearance	Type	
	Single Port PoE Injector, 30W, IEEE802.3at Compliant, 2 x RJ45 Connector, 90 to 264VAC* (suggested for standalone PC use) *ATTENTION: Power cord NOT included (C13 connector required)	98-9000311-01
	RAM® Holders and Components – C Size	
	RAM® Power-Grip™ XL Universal Scanner Gun Holder (RAP-450U)	
	RAM® Tough-Claw™ Large Clamp Ball Base (RAP-401U)	
	RAM® Double Socket Arm with Round Ball Plate - C Size, Medium (RAM-103U)	
	RAM® Double Socket Arm with Round Ball Plate - C Size, Long (RAM-103U-D)	
	RAM® Double Ball Mount with Two Round Plates - C Size, Medium (RAM-101U)	

Basic PC Host Connection

You will need:

V460-H Industrial DPM Reader

1.) Ethernet Cable for V460-H to PoE Injector Connection

2.) PoE Injector (IEEE 802.3af compliant)

3.) Ethernet Cable for PoE Injector to Host

4.) Host PC

