

BioEntry W2 fingerprint reader, OSDP, Multiclass

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- ▶ Multi-Class-Reader for 125 kHz and 13,56 MHz
- ▶ Multi-Interface-Reader for Wiegand and secure OSDP (via RS-485)
- ▶ Vandal proof, ideal for harsh outdoor environments
- ▶ Fast and accurate fingerprint recognition, with live finger detection
- ▶ Enrollment of up to 10 fingers per person with BIS/ACE 4.5 (and later versions)

System overview

The BioEntry W2 fingerprint reader is an IP based fingerprint access control for indoor and outdoor installation with 2-Factor-Authentication (Fingerprint and Card).

The reader can be connected via OSDP or Wiegand to an AMC2. It remains possible to configure a random reader as enrollment reader.

Installation/configuration notes

The maximum cable length for OSDP / RS485 bus system is 1200m with twisted wire pairs. You can connect a maximum of eight readers per interface. Address the reader using the optional configuration tool. In order to prevent problems by reading cards with contact-free card readers, follow the instructions when planning and installing contact-free readers. Avoid installing contact-less card readers behind metallic (i.e. conductive) cases or on metallic surfaces. The gaps to be left are given in the following list:

- Distance between reader and metal surfaces attached to the side: min. 30 mm

- Distance between reader and 230 V~ voltage cables and power packs: min. 500 mm
- Distance between reader and HF-cables: min. 500 mm

Technical specifications

Operating Voltage Range	12 VDC or Power over Ethernet (PoE)
Current Draw	Max 600 mA (peak)
Interfaces	<ul style="list-style-type: none">• Ethernet (TCP/IP 10/100 Mbps, auto MDI/MDI-X) with PoE (IEEE 802.3af)• RS-485 (OSDP v2)• Wiegand
Environmental rating	IP 67
Impact Protection	IK 09 certified
Operating temperature	- 20 °C to 50 °C (-4 °F to 122 °F)
Humidity	0 to 80%, no condensation water
Housing Material	Plastic
Color	Silver / black

Panel connection	Fixed wires with connectors for power supply, Ethernet, and interfaces. Tamper monitoring
Card compatibility	<ul style="list-style-type: none"> • EM (26 / 37 bit standard coding scheme) • HID Prox (26 / 37 bit standard coding scheme) • MIFARE classic (CSN / Bosch code) • MIFARE DESFire EV1 (CSN / Bosch code) • iCLASS (26 / 37 bit standard coding scheme) • HID Corporate-1000 (35 / 48 bit standard coding scheme) • iCLASS SE (26 / 37 bit SIO - Secure Identity Object) • iCLASS Seos (26 / 37 bit CSN code only)
Dimension (W x H x D)	50 mm x 172 mm x 38.2 mm (top) 50 mm x 172 mm x 43.5 mm (bottom)
Weight (g)	Device: 251 g

Ordering information

ARD-FPBEW2-IC Fingerprint Reader, OSDP, Multiclass
 Fingerprint reader, 5.0 x 17.2 x 4.3 cm, 251 g net
 Order number **ARD-FPBEW2-IC**

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