MAGiCARD®

Ultra LE

Laser engraving solution for secure ID card issuance

Finished laser engraved card

Reverse-transfer printed card template

Available as a stand alone unit or in combination with the Prima 4 reverse-transfer printer.

- Fully compatible with the Magicard Prima 4 for instant issuance of personalised high resolution colour ID cards with laser engraved features.

- Advanced laser engine for highly secure personalisation.

- Small and lightweight; ideal for decentralised card processing.

- Engraved visual security that is both durable and difficult to replicate or alter.

- Flipping unit for double-sided engraving.

- Eco friendly - low power consumption, no consumables and no waste.

- Low maintenance for easy field support.

- High marking quality, including:
  - Tactile raised type
  - Clear detailed laser engraving
  - Laser monochrome printing
  - Two image lenticular printing option

Ultra ELECTRONICS | **iD**

Engraver specifications

Laser type	Aircooled DPSS YAG Up to 15 kW (at 5 kHz)
Dimensions	280mm W x 408mm D x 528mm H, (11" x 16" x 20.75")
Warranty	Laser: 14 months after shipment or 10,000 hours use, which ever is sooner.
	Mechanical interface unit: 14 months after shipment or 200,000 single-side images, which ever is sooner.
Power supply	AC100 - 240 V, 50/60 Hz
Weight	Approximately 25kg (55lb) not including optional accessories
Power consumption	250 VA
Interface	2x USB 2.0
Card format	ISO CR80
Card types	Polycarbonate, PC+PET-G, ABS
Card input tray	250 cards (when used as stand alone unit)
Card output tray	100 cards
Throughput	(when used as stand alone unit) up to 120 cards per hour
Operating environment	10-30 °C (50-86 °F), 20% - 80% non-condensing humidity
Noise level	<65 dB
Certifications	Class 1 laser product. CE declaration of conformity, DEMKO, VCCI Class A, c-UL
Laser resolution	Up to 3628 dpi
Software development kit	Windows® XP and 7 (32 and 64 bit)

Optional accessories

- 250 card automatic feeder
- CLI or MLI engraving for two image lenticular printing
- Connection unit to Prima 4 reverse-transfer printer
- XY registration system for alignment of preprinted cards
- OCR/OCV ready
- Contact or contactless smart card encoding

Variants/accessories

	PART NUMBER
Ultra LE engraver	**LE01**
Ultra LE with hopper	**LE04**
Ultra LE with connection unit to Prima 4	**LE05**
Ultra LE with contact/contactless encoder	**LE06**
Ultra LE camera unit	**LE03**
MLI or CLI (to be ordered with Ultra LE engraver)	**LE07**
Replacement laser unit	**LE08**
Prima 4 - Single-sided reverse-transfer printer	**Prima401**
Prima 4 - Double-sided reverse-transfer printer	**Prima402**

Card security options

Magnetic stripe*

The Prima 4 can be specified with ISO standard 7811 compatible HiCo encoding of magnetic stripe cards.

UV printing*

Ultraviolet film enables the printing of hidden photographs, logos, text or symbols that are only visible under UV light.

Smart card encoding†

Smart card encoding options: Contact chip, MIFARE, DESFire, iClass. Other encoders available on request.

*Prima 4 only. †Can be fitted to Prima 4 or to input hopper of Ultra LE.

Dimensions (mm)

528

280

408
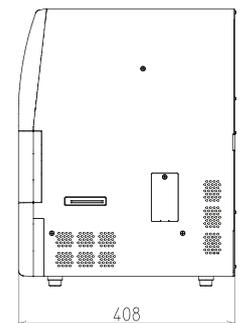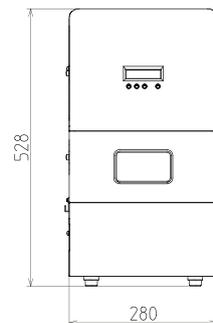
Our commitment

Full access to a global team of highly qualified technical experts available to assist you with setup, maintenance and any other questions regarding your Ultra LE.

CE   ISO 9100:2003 9001:2008 14001:2004

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