Espresso HX specifications

Version 1.2 – April 2015

MAIN FEATURES

Main features	Single or dual-sided Direct-to-card printing technology Edge-to-edge printing Color dye sublimation and monochrome resin thermal transfer 300 dpi Bitmap: 24 bits, R/G/B 256/256/256 levels Printout Y/M/C 64/64/ 64 levels RAM: 128 Mbytes On-off inductive button with white LED WiFi inductive button with blue LED 3-color status LED Robust metal frame assembly Housing color: white
Printer connection	USB 2.0 Ethernet TCP-IP 10BaseT, 100BaseT (workshop option) WiFi (factory option) Internal USB Hub – 2 slave ports available for USB device connection
Card hoppers	Input hopper: 100 cards Front output hopper: 80 cards Reject box / rear output hopper: 80 cards (option)
Quality standards	RoHS CE, FCC, CCC[1] Standby mode and reduced power consumption Sound pressure less than 48 dB (A) in operation mode (ISO 7779) Min/max operating temperature: 15° / 30 °C (59° / 86 °F) Humidity: 20% to 65% without condensation Min/max storage temperature: -5° / +70 °C (23° / 158 °F) Storage humidity: 20% to 70% without condensation
Software	Windows driver and printer manager EDISecure® Connect: driver and SDK Supported OS: Windows XP SP3 (32 bits), Win 7, Win 8, Win 8.1 (32 & 64bits) Matica GO Edition - card designer (option)
Power supply	Auto-switching external module with interchangeable power cords Input 100-240 volts AC, 50-60 Hz, 1.5 A Output 24 volts DC, 3.0 A
Size and weight	L x W x H: 395 x 200 x 253 mm without reject bin (15.35" x 7.7" x 9.61") 500 x 200 x 253 mm with reject bin (19.11" x 7.7" x 9.61") 6.6 kg

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(1) check for availability date

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DETAILED SPECIFICATION

Printing performance[2]	Monochrome single-sided: up to 850 cards per hour Color single-sided: up to 210 cards per hour Color dual-sided: up to 140 cards per hour
Security	Kensington® slot (including metal plate)
Options	Duplex upgrade through activation card Ethernet TCP/IP Contact chip encoder upgrade, on-site Contactless chip encoder upgrade, on-site Dual contact and contactless chip encoder upgrade, on-site Contact station with connecting cable at printer's rear (for external encoder) Reject box / rear output hopper: 80 cards WiFi connection (Q2/2015) Magnetic encoder (Q3/2015)
Warranty	Printer: 24 months First printhead: 3 months (subject to cleaning cycle and operating environment conditions observance)

CONSUMABLES

Card specifications	ISO CR80, ISO 7810 (53,98 mm x 85,60 mm, 3.370" x 2.125") Card material: plastic only Card thickness: 0.25[3] to 1.25 mm (10 to 50 mil) Card types: PVC and composite PVC cards, PET-F/ PET-G cards, ABS cards[3]
Ribbon types	Automatic recognition by RFID tag Color ribbon • YMCKO: 250 prints • 1/2YMCKO: 400 prints • YMCKO-K: 200 prints Monochrome • Black: 2,000 prints • KO: 600 prints • Other monochrome: 500 to 1,000 prints (check for details)
Cleaning material	Sticky card for regular cleaning cycles (warranty observance) T-card for advanced cleaning (preventing card jam) Swab for printing head cleaning Pen for printing head cleaning

MATICA TECHNOLOGIES

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