

ENTRUST SIGMA DS3 CARD PRINTER COMPETITIVE COMPARISON

	Entrust SIGMA DS3	Evolis Primacy	HID DTC 4500e	HID DTC 500 LMX	Zebra ZC 350	Zebra ZXP Series 7	MagiCard Rio Pro 360
General							
MSRP**	\$2,298 (Simplex) / \$2,998 (Duplex)	\$1,750 (Simplex) / \$2,090 (Duplex)	\$4,058 (Simplex) / \$5,098 (Duplex)	\$7,424 (Duplex)	\$2,295 (Simplex) / \$2,895 (Duplex)	\$6,495 (Simplex) / \$7,495 (Duplex)	NA
Printer/Printhead Warranty	36 months	36 months	36 months	36 months	24 months	24 months	36 months
Print Resolution	300 dpi High Resolution: 300x600 300x1200	300 dpi High Resolution: 300x600 300x1200	300 dpi	300 dpi	300 dpi	300 dpi	300 dpi
Print Technology	Dye-sublimation/ Resin thermal transfer	Dye-sublimation/ Resin thermal transfer	Dye-sublimation/ Resin thermal transfer	Dye-sublimation/ Resin thermal transfer	Dye-sublimation/ Resin thermal transfer	Dye-sublimation/ Resin thermal transfer	Dye-sublimation/ Thermal rewritable
Print Options	Single or Dual Sided	Single or Dual Sided	Single or Dual Sided	Single or Dual Sided	Single or Dual Sided	Single or Dual Sided	Single or Dual Sided
Connectivity	USB, Ethernet, and Wi-Fi (field upgrade)	USB, Ethernet, and Wi-Fi (Factory Option)	USB (option: Ethernet, Wireless)	USB, Ethernet, and Wi-Fi (field upgrade)	USB (Factory Option Ethernet and WiFi)	USB and Ethernet (option: Wireless)	USB and Ethernet
Operating Systems	Windows® 10 (32/64 bit), 8.1 (32/64 bit), Windows Server 2016 - 64-bit	Windows® 10, 8, 7, Vista, XP SP3 (32/64 bit), Mac OS X (10.6 onwards), Linux	Windows® 10, 8, 7, Vista, XP, Windows Server® 2012, 2008, 2003 (32/64 bit), MAC OS X (10.5/10.6/10.7/10.8/10.9, 10.10), Linux	Windows® 10, 8.1, 8, 7, Windows Server® 2012, 2008, 2003 (32/64 bit)	Windows® Server 2008, 2010, 2016 (32 and 64-bit) Windows® 7, 8, 8.1, 10 (32 and 64 bit) Linux Ubuntu 16.X (64 bit) MAC OS X 10.16 X (64 bit)	Windows® 8, 8 Pro, 7, Vista (32/64 bit), XP (32 bit), Windows Server® 2012 (64 bit), 2008 (32/64 bit), 2003 (32 bit)	Windows® 10, 8, 7, Vista, XP (32/64 bit) Windows Server® 2016, 2012, 2008, 2003 R2 SP2 (32/64 bit), MAC OS X (10.9 upwards), Linux with CUPS support
Physical Characteristics							
Dimensions (HxDxW)	Printer Only: 17.4 X 8.9 X 9" (44.2 X 22.6 X 22.9 cm) Printer with Tactile Impression Module: 26.25 X 8.9 X 9.5" (66.7 X 22.6 x 24.1 cm) Printer with Multi Hopper Module: 23 X 13.4 X 16.2" (58.4 X 34 X 41.1 cm) Printer with Lamination Module: 23.8 X 10.6 X 20.4" (60.4 X 27 X 51.9 cm) Printer with Lamination Module with tactile Impression: 27.1 X 10.6 X 20.4" (68.9 X 27 X 51.9 cm)	9.72 x 14.99 x 8.07" (24.7 x 38.1 x 20.5 cm) With Reject Tray: 9.72 x 19.17 x 8.07" (24.7 x 48.1 x 20.5 cm)	9.8 x 9.2 x 18.1" (24.9 x 23.4 x 46 cm) With Dual-Sided Printing: 9.8 x 9.2 x 18.7" (24.9 x 23.4 x 47.5 cm) With Lamination: 18.9 x 9.2 x 18.7" (48 x 23.4 x 47.5 cm)	12.9 x 9.3 x 34.9" (32.8 x 23.6 x 86.7 cm)	10.2 x 6.2 x 15.1" (25.8 x 15.7 x 38.3 cm) With Dual-Sided Printing: 10.2 x 6.2 x 18.4" (25.8 x 15.7 x 46.8 cm)	12 x 10.9 x 27.5" (30.6 x 27.7 x 69.9 cm) With Lamination: 12 x 10.9 x 38" (30.6 x 27.7 x 96.4 cm)	12 x 18.5 x 8.6" (30 x 47 x 22 cm)
Weight	Printer (Dual or Single-sided): 12.1 lbs (5.49 kg) Printer with Tactile Impression Module: 21.5 lbs (9.75 kg) Printer with Multi Hopper Module: 30.9 lbs (14.02 kg) Printer with Single Sided Lamination Module: 30 lbs (13.62 kg) Printer with Dual Sided Lamination Module With Tactile Impression Option: 37.1 lbs (16.8 kg)	8.86 lbs (4.02 kg) With Reject Tray: (4.11 kg) 9.06	9 lbs (4.1 kg) With Dual-Sided Printing: 11 lbs (5 kg) With Lamination: 20 lbs (9.1 kg)	39 lbs (17.7 kg)	8.8 lbs (4.0 kg) With Dual-Sided Printing: 9.7 lbs (4.4 kg)	26.9 lbs (12.2 kg) With Lamination: 39.5 lbs (17.9 kg)	10.4 lbs (4.7 kg)
Speed							
Up to: Cards per Hour - Color single-sided	250 cph (270 cph (B))	190 - 225 (Single-Sided)	225 (Single-Sided)	225 (Single-Sided)	225	300 (Single-Sided)	200 (Single-Sided)
Up to: Cards per Hour - Monochrome single-sided	1100 cph (1200 cph(B))	800 - 1000 (Single-Sided)	600 (Single-Sided)	600 (Single-Sided)	1000	1375 (Single-Sided)	750 (Single-Sided)
Cards							
Card Thickness	0.01 - 0.04" (.25 - 1.016mm)	0.01 - 0.05" (0.25 - 1.25 mm)	0.009 - 0.04" (0.229 - 1.016 mm)	0.03 - 0.04" (0.762 - 1.02 mm)	0.01 - 0.04" (.25 - 1.016mm)	0.01 - 0.05" (0.25 - 1.27 mm)	0.02 - 0.04" (0.51 - 1.02mm)
Card Size (Confirm what the new ID version it is.)	CR-80, CR-79	CR-80	CR-80, CR-79	CR-80	CR-80, CR-79	CR-80	CR-80, CR-79
Card Input Hopper Capacity	125(Options: 750 or 375 (B))	100	200	200	100	200	100 (option: 200)
Card Output Hopper Capacity	25 (Option: 100 (B) or 375(B))	100	100	100	100	100	70
Reject Hopper Capacity	10	50	100	NA	10	15	NA
Card Type	PVC with glossy laminate surface, select key fob, Datacard® StickCard™ adhesive-backed plastic, Translucent cards that meet ISO7810 IR opacity, PETG and PVC varnished cards or matte/satin finished cards must be tested for compatibility and durability.	PVC, composite PVC, PET, recycled PET, ABS, special varnished	PVC, finished PVC, optical memory, rewrite	PVC, finished PVC, PET, optical memory, rewrite	PVC and PVC composite	PVC, composite PVC, ABS, PET, PETG, PETF, PETI, composite Teslin®, smart card, adhesive, transparent	PVC, mag stripe, smart, self-adhesive, rewritable, HoloPatch
Options							
ISO Magnetic Stripe Encoding	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single Wire Smart Card Support	Yes	No	Yes	Yes	No	NA	NA
Contact Smart Card Encoding	Yes	Yes	Yes	Yes	No	Yes	Yes
Contactless Smart Card Encoding	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Encryption	Yes	Yes	Yes	No	Yes	No	No
Locks	Yes	Yes (Manual Only)	Yes	Yes	Yes (Manual Only)	Yes	No
Laminate Options	Yes	Yes	Yes	Yes	No	Yes	No
Multi-Hopper Option	Yes	No	Yes	Yes	No	No	No

All data is believed to be current as of July 2020.
 *Competitive offering based on information available.
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