ID WORLD

THE PLAYERS OF THE AUTO ID INDUSTRY

CARDS

2017 BUYER'S GUIDE

Hadrian Media

Trusted source for secure identity solutions

HID®

- Inlays/Antennas
- Cards/Passports
- Components
- Biometrics Equipment
- Card Manufacturing
- Data Capture & Personalization IT Systems
- Software/Applications
- Readers/Hardware Services
- System Integrator
- Prime Contractor

HID Global Government ID Solutions serves the rapidly growing market for government-to-citizen ID programs worldwide. Governments want to stay ahead of counterfeiters and deploy solutions that perform at the highest levels; and they need providers equipped with extraordinary technical expertise, successful global references and a history of continuous innovation. HID Global fits these criteria.

HID Global has a track record of providing solutions for successful e-ID and e-Passport programs around the world. HID Global participates in more than 40 e-passport programs and 50 national/e- ID programs, including the U.S. Green Card. After 18 years, there has been no known compromise of the Green Card's digital security. Other large programs include Angola's National ID, Vehicle Registration in three Indian states, Italy's Federal Police ID Card, prelaminates for Germany's National e-ID Card, and Ireland's passport project.

HID Global takes an end-to-end approach to integrating multiple products, technologies and systems that serve millions of cardholders. This expertise is based on leadership in four key Government ID product segments — e-documents, readers, personalization solutions and credential issuance systems - plus complementary professional services. HID Global is attentive to — and leads the way -- in new developments, such as the ability to meet the growing demand for distributed ID issuance through high-demand advanced personalization technologies within portable, small-footprint ID issuance equipment.

HID Global is also chosen by governments for its innovative approach. One such example is the company's datapage solution. Ireland's new e-passport includes HID Global's polycarbonate electronic datapage with contactless chip inlays -- making the documents very hard to forge or copy.

• Ireland's e-passport also incorporates HID Global's successful crack prevention technology (CPF) to enhance the durability and reliability of polycarbonate e-passport datapages, especially those with embedded RFID chips. HID Global's successful patented crack prevention (CPF) technology is extending the lifespan of highly secure citizen ID cards and e-passports in major European card programs. CPF essentially allows governments to fully leverage the advantages of smart card technology, enabling protection of their investment by extending the life of the credentials.

• HID Global's innovative approach also enables ultra-thin datapages, which maintain the benefits of standard datapages but offer the additional benefits of booklet flexibility and enhanced anti-counterfeiting protection.

• HID Global's innovation extends beyond the physical ID to include virtual IDs. In a world rapidly adopting mobile devices for a range of secure and convenient transactions and communications, HID Global is leading the way in the development of government-to-citizen IDs issued to mobile devices.

HID Global's government ID business provides highly secure, custom citizen ID solutions to governments worldwide. The company has shipped more than 150 million RFID products in over 50 countries for major projects that include national ID, e-passport, foreign resident ID, worker ID, driver's license and vehicle registration programs worldwide.

HID Global is the trusted leader in products, services and solutions related to the creation, management, and use of secure identities for millions of customers worldwide. Recognized for robust quality and innovation, HID Global is the supplier of choice for OEMs, integrators, and developers serving a variety of markets that include physical and logical access control, including strong authentication/credential management; card printing and personalization; visitor management; highly secure government and citizen ID; and identification technologies for a range of applications.

HID Global
611 Center Ridge Drive
Austin, TX 78753
USA

Tel. +1 800 237 7769
Fax +1 949 732 2120

www.hidglobal.com/
government/citizen-id

Trusted identites and secure transactions with

solutions for regional or national governments

Consumers, citizens and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-gov services or logging onto corporate networks. They also expect the ecosystems that allow this freedom and flexibility to be entirely reliable and secure. Entrust Datacard offers the trusted identity and secure transaction technologies that make these ecosystems possible.

Citizens expect speed and convenience when they

cross borders, vote and access e-gov services. Solution providers abound, but every increase in speed and ubiquity brings new challenges — primarily in terms of security, efficiency, cost and program risk. We offer technologies that empower governments to enhance service levels while strengthening security, mitigating risk and controlling costs. Solutions range from citizen enrolment and document issuance to technoloof physical and digital credentials.

Mobile devices, hosted applications and other new elements of enterprise ecosystems present tremendous upside in terms of innovation, collaboration and productivity. They also present new vulnerabilities. Entrust Datacard provides identity-based solutions that streamline and safeguard access — to facilities, networks and the cloud — for employees and other authorized users. The scalability of our identity-based solutions allows enterprises to respond quickly to changing security needs.

An extensive product portfolio for the personalization

and issuance of all kinds of ID cards

Matica Technologies develops, manufactures and markets an extensive product portfolio for the personalization of all kinds of ID cards. The offering consists of a direct-to-card printer series, a family of retransfer printers, mid-range systems, high-speed centralized issuance systems, mailer and state-of-the-art laser engraving solutions. This variety is the most extensive in the market and is perfectly covering the needs for banking, government, access control, ID and transportation applications. To further improve this comprehensive product

portfolio and keep it up-to-date, Matica is investing a lot of efforts and money in its Research and Development Center. Around 30% of the employees are dedicated to R&D activities. Identifying markets and developing the related products is one of the strength of Matica. The S3500, a smart solution for the instant issuance of financial cards at the branch level, is a good example.

The concept of this real modular system is based on in-house available technologies and is well accepted on market right from the beginning. Further, Matica expands steadily its presence around the globe. Matica provide sales, service & support on a worldwide basis via its offices in Italy, Germany, France, India, Singapore, China, the United States of America and the UAE.

Specializing in solutions for the production, personalization

and issuance security documents and systems

The Mühlbauer Group is a proven one-stop-shop technology partner for the smart card, ePassport, RFID and solar back-end industry. Further business fields are the areas of micro-chip die sorting, carrier tape equipment, as well as automation, marking and traceability systems. Mühlbauer's Parts&Systems segment produces high precision components.

Mühlbauer specializes in innovative one-stop solutions encompassing the production, personalization and issuance of ePassports, ID Cards and other card related security documents, and fully automatic border control systems. The business unit TECURITY bundles the extensive know-how of the development of tailor-made security solutions.

In the last 30 years we have installed more than 80,000 systems and modules across the globe, and have been intensively involved in over 300 government related ID projects. While aiming to extend our technology leadership, we ensure strict privacy in all projects and serve as a reliable partner for sophisticated industries, convincing by high speed, best quality and clear customer orientation.

Josef-Muehlbauer-Platz 1
93426 Roding
Germany

Tel. +49 9461 9520
Fax +49 9461 9521101

www.muehlbauer.de

Providing secure and high added value components

for card and document manufacturers

SPS has delivered several million epassport inlays and e covers based on its unique ebooster technology to Asian, African, and European countries. The Teslin or paper based inlay includes an etched antenna on a thin PET layer, enhancing the durability of the inlay. Moreover the module and antenna are electromagnetically coupled without any physical, thus breakable, connection. SPS' technology is designed to accept all chip and OS suppliers on the market, offering a highly reliable, cost effective solution to passport manufacturers. SPS offers unique security features which gives the final passport a unique added value. SPS also propose polycarbonate inlays for electronic data pages.

The company is specialized in the design, manufacture and sale of contactless solutions dedicated to ID cards, e-passport and dual interface banking cards. Headquartered in Rousset, France, with a subsidiary in Singapore, SPS employs 120 people. Part of the French Imprimerie Nationale Group, the company specializes in contactless and dual-interface products, with a recognized micro packaging expertise. SPS has filed over 120 patents supporting its exclusive technologies.

As a world leader in dual interface banking and e-ID documents, the company brings value to its customers by pre-certifying the performance of cards using its technology and guaranteeing card functionality in the field.

85 avenue de la Plaine
ZI de Rousset-Peynier
13790 Rousset – France

Tel. +33 442538830
Fax +33 442538448

www.s-p-s.com
contact@s-p-s.com

ABnote
www.abnote.com

MF -C, RFID, NFC -C (MG, CM, SM, CL, FP), M (SL), TAG (RF<HF>)

2200 Fletcher Avenue, 07024 Fort Lee, NJ, Usa

Tel. 1/201/592/3400   Fax 1/201/224/2762

Access IS Limited
www.access-is.com

MF -C, RFID – R (OCR, RF, CL, BC), DC – R (OCR, RF, CL, BC), BC -R (RF, CL, POS)

18 Suttons Business Park, Reading, Berkshire, RG6 1AZ, United Kingdom

Tel. 44/7748/770 632   Fax 44/118/926/7281

ActivIdentity (HID)
www.actividentity.com

MF, SH -C -C (SM), R(HH), T (HH), SW

6623 Dumbarton Circle, 94555 Fremont, CA, Usa

Tel. 1/510/5740100   Fax 1/510/5740101

AEG Identifikationssysteme GmbH
www.aegid.de

MF, SI -C, RFID -C (MG, CM, SM, CL, OPT), M (L, SL, TTR, I) TAG (RF<LF, HF, UHF>), IC, A, P (POS) R (HH, FX, RF, I), RF, EP, GP

Hörvelsinger Weg 47, 89081 Ulm, Germany

Tel. 49/7/3114/00880   Fax 49/7/3114/0088/9000

Alp Vision
www.alpvision.com

SH, SI – C, DC – SW, M (MK, VF)

Rue du clos 12, 1800 Vevey, Switzerland

Tel. 41/21 948/6464

Arjo Systems
www.arjo-systems.com

SH, SI – B, C -C(CL,CM,SM), DC, EP, GP, H, NFC, R, RFID, T(VT)

32 rue Jacques Ibert, 92300, Levallois-Perret, France

Tel. +33 (0)181938850

ARM Ltd
www.arm.com

MF -C -IC

110 Fulbourn Road, CB1-9 NJ Cambridge, UK

Tel. 44/1223/400400   Fax 44/1223/400410

ASK
www.ask-rfid.com

MF -C, RFID -C (CL), M (SL), TAG (RF<HF, UHF>), P (HH), R (HH)

2260 route des Crêtes, BP337, 06906 Sophia-Antipolis, France

Tel. 33/4/97214000   Fax 33/4/92389321

Atlantic Zeiser
www.atlanticzeiser.com

MF, SI, SH -C, RFID -M (L, SL), C (MG, CM, SM, CL, FP), TAG (MK, RF<HF,UHF>), P (I), R (RF), SW, EP, GP, MC, MV

Bogenstraße 6-8, 78576 Emmingen, Germany

Tel. 49/7465/2910   Fax 49/7465/291166

Atmel
www.atmel.com

MF -RFID -IC (CL, RF<LF, HF, UHF, MW>)

2325 Orchard Parkway, 95131 San Jose, CA, Usa

Tel. 1/408/4410311   Fax 1/408/4364200

Atos Worldline
www.atosworldline.be

MF -C -T(POS, HH)

1442 Chaussée de Haecht, 1130 Bruxelles, Belgium

Tel. 32/2/727/6111   Fax 32/2/727/6767

Austria Card
www.austriacard.at

MF, SH -C -C (MG, CM, SM, CL), M (L, H), A, SW, EP, GP

Lamezanstrasse 4-8 , 1230 Vienna , Austria

Tel. 43/1/610650   Fax 43/1/61065701

Axcess International, Inc
www.axcessinc.com

MF, SI -RFID, C -TAG (RF), R, SW

3208 Commander Drive, 75006 Carrollton, TX, Usa

Tel. 1/972/4076080   Fax 1/972/4079085

Bell ID BV
www.bellid.com

SH -C -SW

Stationsplein 45 - Unit A6.002, 3013 AKRotterdam, The Netherlands

Tel. 31/10/885/1010   Fax 31/10/885/1011

BioLink Solutions
www.biolinksolutions.com

MF, SI -B, C -C (FP), S, SW

PO Box 404, _/_ IPS, 511 Avenue of the Americas, PMB 572, 10011 New York, NY, Usa

Tel. 44/808/189/1360

BGI
www.bginge.com

MF-C, RFID-C (CM, CP, MG)

ZAC de la Goulgatiere, 4 rue Paul Langevin, 35220 Chateaubourg, France

Tel. 33/2/99008997   Fax 33/2/99008998

Blumer Maschinenbau AG
www.blumerag.com

MF -C -MC

Libernstrasse 22, 8112 Otelfingen, Switzerland

Tel. 41/1/8476565   Fax 41/1/8476566

Böwe Cardtec GmbH	MF -C -MC, SW		
www.boewe-cardtec.com	Balhorner Feld 28 , 33106 Paderborn, Germany	Tel. 49/5251/180860	Fax 49/5251/1808699

Bundesdruckerei GmbH	MF, SI, D, SH -C, B -C (SM, CL, FP), P, R (HH, FX), T (FP, FP, FF, VF), SW, EP, GP		
www.bundesdruckerei.de	Oranienstrasse 91, 10969 Berlin, Germany	Tel. 49/30/25980	Fax 49/30/25982205

CardLogix Corp.	MF, SH -C -C (MG, CM, S, CL), P (I), T (POS), SW		
www.cardlogix.com	16 Hughes, Suite 100, 92618 Irvine, CA, U.S.A.	Tel. 1/949/380/1312	Fax 1/949/380/1428

CodeCiphers	MF, SH -B, C -C (CL) B, IC		
www.codeciphers.com	Rua Bogaert 107 Villa Vernehla, 04298-020 Sao Paulo, Brazil	Tel. 55/11/2175/1106	Fax 55/11/2175/1171

Cogent Systems, 3M	MF -B, C, RFID, BC -C (MG, CM, SM, CL, OPT, FP), TAG (RF <HF>) R (HH, FX), S (FX POS, I) T (HH, FX, RF, I, BC, FP, IF, FF), SW, EP		
www.cogentsystems.com	639 N. Rosemead Blvd., 91107 Pasadena, CA, Usa	Tel. 1/626/325/9600	Fax 1/626/325/9700

Comercial Arqué	VAR -C, RFID, BC -C (MG, CL), TAG (RF<HF, UHF>), A, P (I, TTR)		
www.arque.com	Carretera del Mig. No 54, L'Hospitalet de Llobregat, 8907 Barcelona, Spain	Tel. 34/932635100	Fax 34/933372690

Confidex Ltd.	MF -RFID, NFC -TAG (RF<HF, UHF>, I), M (SL), C (CL)		
www.confidex.com	Haarlankatu 1B, 33230 Tampere, Finland	Tel. 358/10/4244 100	Fax 358/10/4244 110

Cryptomathic Ltd	SH, SI -C -SW		
www.cryptomathic.com	327 Cambridge Science Park, Milton Road, CB4 0WG Cambridge, UK	Tel. 44/1223/225350	Fax 44/1223/225351

Dartagnan BV	SI, SH -C, B, RFID -C (SM, CL), R (RF), T (RF, FP, IF, FF, VF), SW		
www.dartagnan.eu	Triport 3, Westelijke Randweg 51, 1118 CRLuchthaven Schiphol, The Netherlands	Tel. 31/20/405/4149	Fax 31/20/405/4171

Databac Group	MF, SH, SI, VAR, D -C, RFID, B -C (MG, CM, SM, CL, OPT, FP), M (L, SL, TTR, H, I), TAG (RF<HF>), P (TTR), R (HH, FX, RF), S (HH, POS), T (HH, RF, BC, FP, IF, VF), VR, SW, EP, GP		
www.databac.com	Number One, The Ashway Centre, Elm Crescent, KT2 6HH Kingston, Surrey, UK	Tel. 44/208/546/9826	Fax 44/208/547126

Datastrip Ltd	MF -B, BC -R (HH), T (FP)		
www.datastrip.com	7 Thame Park Business Centre, Wenman Road, OX9 3XA Thame, Oxfordshire, UK	Tel. 44/1844/215668	Fax 44/1844/215669

De La Rue Identity Systems	MF, SI -C -C (CM, CL, SM, FP), SW		
www.delarue.com	De La Rue House, Jays Close, RG22 4BS Basingstoke, UK	Tel. 44/1256/605000	Fax 44/1256/605004

Deister Electronic	MF -C, RFID -C (CL), TAG (RF<LF, HF, UHF>), R (HH, FX, RF, I), T (RF)		
www.deister.com	Hermann-Bahlsen-Str. 11, 30890 Barsinghausen, Germany	Tel. 49/5105/516111	Fax 49/5105/516217

LEGENDA

ROLE IN THE VALUE CHAIN
D = Distributor
MF = Manufacturer
SH = Software House
SI = System Integrator
VAR = Value Added Reseller

TECHNOLOGIES
B = Biometrics
BC = Barcode
C = Cards
DC = Data Collection
NFC = Near Field Comm.
RFID = Radio Frequency Identification Device
RTLS = Real Time Loc. System

PRODUCT CATEGORIES
A = Antenna
C = Cards
EP = Electronic Personalization
GP = Graphic Personalization
IC = Integrated Circuits
M = Media
MC = Machinery
MV = Machine Vision
P = Printers
R = Readers
S = Scanners
SW = Software
T = Terminals
TAG = Tags
VR = Voice Recognition

PRODUCT SPECIFICATIONS
BT = Batch
BC = Barcode
CL = Contactless
CM = Contact Memory
CMA = Card Materials
CP = Compact
DNA = DNA
EAS = Electronic Art. Surveillance
FF = Facial Feature
FP = Fingerprint
FX = Fixed
H = Holograms
HF = High Frequency
HG = Hand Geometry
HH = Handheld
I = Industrial

IF = Iris Feature
L = Labels
LF = Low Frequency
MG = Magnetic
MK = Marking
MW = Microwave
OCR = Optical Char. Recognition
OPT = Optical
POS = Point of Sale
RF = Radio Frequency
SL = Smart Labels
SM = Smart
TTR = Thermal Transfer Ribbon
UHF = Ultra High Frequency
VF = Verifier
VT = Vehicle Terminal

Dermalog Identification System GmbH
www.dermalog.com
MF,SH,SI,VAR,D‑B,C,RFID,BC‑C(CM,SM,CL,OPT,FP),TAG(RF<HF>),A,R(HH,FX,RF,I),S(HH,FX,POS,I),T(HH,RF,BC,FP),SW
Mittelweg 120, 20148 Hamburg, Germany
Tel. 49/40/4132270
Fax 49/40/41322789

Digital Identification Solutions AG
www.digital-identification.com
MF, SH, SI ‑C, B ‑C (CM, CL, SM, MG, OPT, FP), M (TTR, H, I), P (CP, I, TTR), EP, GP, SW, MC
Teckstrasse 52, 73734 Esslingen, Germany
Tel. 49/711/3416890
Fax 49/711/341689550

Diletta Maschinentechnik GmbH
www.diletta.com
MF ‑C, RFID ‑C (CL), P (I), GP, EP, MC
Industriestrasse 25-27, 64569 Nauheim, Germany
Tel. +49/6152/1804 - 0
Fax +49/6152/1804‑22

For more than five decades DILETTA has been engaged in producing identity products and security systems for governments and other national institutions. DILETTA offers complete systems for centralized and decentralized personalization of high security travel documents which support all safety criteria, contactless chip technology and machine readable features. With over 30,000 installations in more than 100 countries we have gathered an amazing expertise and ample experience.

Elatec GmbH
www.elatec-rfid.com
MF ‑C, RFID ‑C (CM, SM, CL), M (L, SL, I), TAG (RF<LF, HF, UHF, MW>), R (HH, FX, RF, I), SW
Max-Planck-Str. 16, 82223 Eichenau, Germany
Tel. 49/8141/534980
Fax 49/8141/5349829

Elsag Datamat
www.elsagdatamat.com
MF, SH, SI ‑C, B, RFID, DC ‑C (CM, SM, CL), TAG (RF<HF, UHF>), P (I), R (HH, FX, RF, I), S (POS, I, OCR), T (FP, FF), SW, GP, EP
Via Puccini, 2, 16154 Genova, Italy
Tel. 39/010/6582215
Fax 39/010/6512329

Elyctis
www.elyctis.fr
MF, SH ‑ C, RFID ‑ R (RF, HH, FX, CL, OCR), SW
240 rue François Gernelle, 84120 Pertuis – France
Tel. +33 6 27 71 37 68

EMJ Data Systems Ltd
www.emj.ca
D‑BC,DC,C,RFID,B‑C(MG,CM,SM,FP),M(L,TTR,H),A,P(CP,I,TTR),R(HH,FX,I),S(HH,FX,POS,I),T(HH,FX,RF,I,BT,BC,FP,VT)
7067 Wellington Road. 124, RR6, N1H 6J3 Guelph, ON, Canada
Tel. 1/800/265/7212
Fax 1/877/801/6300

Entrust Datacard
www.entrustdatacard.com
MF ‑C, B ‑C (CM, SM, CL, FP), EP
1187 Park Place, Shakopee, MN 55379, USA
Tel. 1/952/933 1223
Fax 44/1489/555601

Evolis
www.evolis.com
MF ‑C, RFID ‑C (MG, CM, SM, CL), M (TTR, H), TAG (RF <LF, HF, UHF, MW>), P (CP, I, TTR, POS), T (POS), SW, EP, GP
14 avenue de la Fontaine , 49070 Beaucouze, France
Tel. 33/2/41367606
Fax 33/2/41367612

Exceet Group
www.exceet.ch
MF ‑C, RFID ‑C (CM, CL, SM), R (HH), TAG (RF <LF, HF, UHF, MW>)
Marktplatz 4, CH-9004 St. Gallen, Switzerland
Tel. 41/4179848/56

Fargo Electronics Inc
www.fargo.com
MF ‑C ‑P (CP, I, TTR), C (MG, CM, SM, CL)
6533, Flying Cloud Drive, 55344 Eden Prairie, MN, Usa
Tel. 1/952/9419470
Fax 1/952/9417836

Fastcards
www.fastcards.com.au
MF, SH ‑C, BC, RFID, B ‑C (MG, CM, SM, CL)
PO Box 3888, 4101 South Brisbane, Qld, Australia
Tel. 61/7/38444623
Fax 61/7/38464591

Feig Electronic GmbH
www.feig.de
MF ‑RFID, NFC ‑R (HH, FX, RF, I)
Lange Strasse 4, 35781 Weilburg, Germany
Tel. 49/6471/31090
Fax 49/6471/310999

Fingerprint Cards AB
www.fingerprints.com
MF ‑B ‑IC, T (FP), C (FP), SW
P O Box 2412 (Kungsportsplatsen 2), 403 16 Gothenburg, Sweden
Tel. 46/31/607820
Fax 46/31/137385

Foba Laser Marking + Engraving (Alltech)
www.fobalaser.com
MF ‑C, DC ‑MC, TAG (MK), MV
An der Trave 27-31, 23923 Selmsdorf, Germany
Tel. 49/38823/550
Fax 49/38823/55222

Fortress GB Limited	SI - RFID, C - C (SM, CL, FP), TAG (RF<HF>), T (HH, FX, RF, HG, POS), SW		
www.fortressgb.com	South Block, Tavinstock Square, Tavinstock House, WC1H 9LG London, UK	Tel. 44/20/7874/7595	Fax 44/7874/7599
Gemalto	MF - C - C (CM, SM, CL), EP, GP, T (HH, POS), R (FX, HH), SW		
www.gemalto.com/govt	6, rue de la Verrerie, 92127 Meudon Cedex, France	Tel. 33/1/5501/50 00	
GET Group	SI - C - P (CL, CM, VF)		
www.getgroup.com	230 Third Avenue, Waltham, MA 02451 — USA	Tel. +1 781 890-6700	Fax +1 781 890-6320
Ghirlanda SpA	MF, SI - C - C (MG, SM), SW, GP, EP		
www.ghirlanda.it	via Galileo Ferraris, 80/90, 20010 Marcallo con Casone, MI, Italy	Tel. 39/02/972331	Fax 39/02/9761657
Giesecke & Devrient GmbH	MF, SI - C, B, NFC, RFID - C (SM, CL, FP), M (H), IC, P (CP, I), R (FX), T (FX, BC, FP, FF), EP, GP		
www.gi-de.com	Prinzregentenstrasse 159, 81677 Munich, Germany	Tel. 49/89/41190	Fax 49/89/41191535
HID Global	MF - C, RFID - C (MG, CM, SM, CL, OPT), M (TTR, H, I), TAG (RF,LF,UNF HF), IC, P (CP, I, TTR, POS). R (HH, FX, RF, I), SW, EP		
www.hidglobal.com	15370 Barranca Pkwy, 92618 Irvine, CA, Usa	Tel. 1/949/732/2000	Fax 1/949/732/2120
Hirsch Electronics Corp.	MF - B, C, RFID - C (MG, CM, SM, CL, OPT, FP), TAG (RF<LF, HF, MW>), R (HH, FX, RF, I), T (HH, FX, RF, I, BC, FP, IF, VT, VF), SW, EP, GP		
www.hirschelectronics.com	1900-B Carnegie Ave., 92705 Santa Ana, CA, Usa	Tel. 1/949/250/8888	Fax 1/949/250/7372
HJP Consulting	SH, SI - C, RFID - SW		
www.hjp-consulting.com	Hauptstraße 35, 33178 Borchen, Germany	Tel. 49/5251/417760	Fax 49/5251/4177666
Honeywell Access Systems	MF, SH - RFID, B - C (MG, CM, SM, CL, FP), M (TTR, H), P (TTR), R (HH, RF), S (HH)		
www.honeywellaccess.com	2700 Blankenbaker Pkwy, Suite 150, 40291 Louisville, KY, Usa	Tel. 1/800/6753364	Fax 1/502/2975770
IAI Industrial Systems	MF - C - EP		
www.iai.nl	De Run 5406, 5504 DE Veldhoven — The Netherlands	Tel. 31/40/2542445	Fax 31/40/2545635
Identitas	D - C, B - C (CM, SM, OPT), T (FP), GP, EP		
www.identitas.it	Via Tiburtina 912, 00156 Rome, Italy	Tel. 39/06/4072199	Fax 39/06/4086199
Identive Group	MF - RFID - TAG(RF<HF, UHF>), M (SL), D — RFID, NFC — IC, TAG (RF<LF, HF>)		
www.identive-transponders.com	Mu_hlweg 2c, 82054 Sauerlach, Germany	Tel. 49/8104/6495100	Fax 49/8104/6495110
Idesco Oy	MF - RFID, C - C (SM, CL), TAG (RF<LF, HF>), R (RF), T (RF)		
www.idesco.fi	Teknologiantie 9, 90570 Oulu, Finland	Tel. 358/20/74384175	Fax 358/20/7434176

IDTeck

MF, D - C, B, RFID - C (CM, SM, CL), TAG (RF<LF, HF, UHF>), T (RF, FP, FF, VF), SW

www.idteck.com

5F, Ace Techno Tower B/D 684-1, Deungchon-Dong, Gangsuh-Gu, 157-030 Seoul, Korea   Tel. 82/2/26590055   Fax 82/2/6590086

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iDTronic

MF - C, RFID - C (CL), M (SL), TAG (RF<LF, HF, UHF>), R (HH, FX, RF, I), T (RF)

www.idtronic-group.com

Donnersbergweg 1, 67059 Ludwigshafen am Rhein, Germany   Tel. 49/621/66900940   Fax 49/621/66900949

Imprimerie Nationale Groupe

MF, SI, - C, B - C, EP, R, SW

www.imprimerienationale.fr

104 avenue du Président Kennedy, 75016 Paris   Tel. 33 01 4058300   Fax 33 01 40583085

The Imprimerie Nationale Group is a high tech company, expert in engineering solutions for official credentials, the global management of identities and rights, the protection of sensitive data and controlling flows and complex printing processes. The Group accompanies actors in the public and private sectors in the creation of identity documents, the securisation of documents and in the integration of trust services and technological solutions. The Imprimerie Nationale produces more than 25 million secure credentials each year, including the French biometric passport.

ImageWare Systems, Inc.

MF, SH - B, C - T (FP, HG, IF, FF), VR, SW

www.iwsinc.com

10883 Thornmint Rd , 92127 San Diego, CA, Usa   Tel. 1/858/673/8600   Fax 1/858/673/1770

Industrial Innovation Group

MF, SH – C, B, NFC, RFID – C(MG, CM, SM, CL, FP), M(L, H), TAG(RF), P(I), SW, EP, GP, MC

www.industrialinnovationgroup.com

Building Z-2, Executive suite 85, SAIF Zone, Sharjah a/p, P.O. Box 9015, Sharjah, UAE   Tel. 00971 6557 0725   Fax 00971 6557 4810

Ingenico

SH, SI - C, B - T (HH, FX, RF, CL, BC, FP, POS), SW, VT

www.ingenico.com

192 avenue Charles de Gaulle, 92200 Neuilly, France   Tel. 33/1/46258200   Fax 33/1/47725695

InkSure Technologies Inc

MF - RFID, BC - M (L, TTR, H), TAG (MK)

www.inksure.com

P.O. Box 7006, 19407 Audubon, PA, USA   Tel. 1/954/772/8507

Innova Card

MF - C - IC, SW

www.innova-card.com

ZI Athélia IV - Le Forum, Bât. A, Quartier Roumagoua, 13600 La Ciotat , France   Tel. 33/4/42981480   Fax 33/4/42083319

Intelcav

MF - C - C (MG, CM, SM, CL, OPT, FP, H)

www.intelcav.com

Rua Hungria 514, 50 andar Jardim Paulistano, SP 01455-000 São Paulo, Brazil   Tel. 55/11/2169/0750   Fax 55/11/2169/0769

Interflex Datensysteme GmbH & Co. KG

MF, SI - B, C - T (RF, FP), SW

www.interflex.de

P.O. Box 81 03 60, 70520 Stuttgart, Germany   Tel. 49/711/13220   Fax 49/711/1322/111

International Bar Code

MF - C, BC - C (CL), R (RF), S (FX, I)

www.interbar.com

160 Oak Street, 06033 Glastonbury, CT, Usa   Tel. 1/860/6599660   Fax 1/860/6573860

International Biometric Group

SI - B, C - SW

www.biometricgroup.com

One Battery Park Plaza, 10004 New York, NY, Usa   Tel. 1/212/8099491   Fax 1/212/8096197

International Security Tech.

MF - C, BC, B - C (MG, CM, SM, CL, OPT, FP)

www.ist-china.com

No. 99 Meicun Road, 518049 Shenzhen , Guangdong , P. R.China   Tel. 86/755/83124964   Fax 86/755/83315467

Iris Corporation Berhad

MF, SI, SH, D, VAR - C, B - C (CM, SM, CL, CMA), B (FF), P (CP), R (HH, FX, RF, I), T (IF, HH, FX, I, FP, L, MK, OCR), SW, EP

www.iris.com.my

Iris Smart Technology Complex, Technology Park Malaysia, 57000 Bukit Jalil, Kuala Lumpur, Malaysia   Tel. 603/89960788   Fax 603/89960441

Ixla srl

www.ixla.it

MF -C -MC, SW, GP, EP

Via Ponte Chiusella 28, 10090 Romano Canavese, Italy

Tel. 39/0125/719286   Fax 39/0125/718455

Desktop laser systems for personalization of eID and ePassport, IXLA fully owns its technology and has more than 1.100 systems installed in 37 Countries. Thanks to these successes, IXLA has become a benchmark for the industry and a qualified partners of the upmost important players for the ID documents GSP.

Keynectis

www.keynectis.com

SH - C - SW (SM, CM, CL, VF)

11-13 rue René Jacques - 92131 Issy-les-Moulineaux Cedex, France

Tel. +33 1 55 64 22 00   Fax +33 1 55 64 22 01

Keyware

www.keyware.com

MF, SH, SI -C -C (MG, CM, SM, CL, FP), T (RF, POS), SW, EP

Ikaros Business Park, Ikaroslaan 24, 1930 Zaventem, Belgium

Tel. 32/2/3462523   Fax 32/2/3471688

Kronos Systems Ltd

www.kronos.com/uk

MF -B, C -T (FP)

Kronos House, Carey Road, RG40 2NP Wokingham, UK

Tel. 44/118/9789784   Fax 44/118/9782214

Kugler Womako

www.kugler-womako.com

MF - C - MC, C (CMA)

Schlosserstraße 15, 72622 Nürtingen, Germany

Tel. +49 7022 70020   Fax +49 7022 33444

Labau Technology Corporation

www.labau.com.tw

MF -BC, C -R (HH, FX), P (CP, TTR), S (FX), T (POS)

3F-3, No 125, Ln 235, Bau Chiau Road, 231 Taipei, Taiwan

Tel. 886/2/89191371   Fax 886/2/89191771

Logicode PTE Ltd

www.logicode.com.sg

D -BC, C, RFID -S (HH, FX), R (RF), P, T (RF, BT, BC)

10 Ubi Crescent #05-28, 408564 Ubi Techpark (Lobby B), Singapore

Tel. 65/64588/337   Fax 65/64588/553

Magna Carta Chipcard Solutions

www.magna-carta.com

MF -C -C (MG, CM, SM, CL), T, SW

Naritaweg 126, 1043 CAAmsterdam, Holland

Tel. 31/20/582/20/50   Fax 31/20/582/20/51

Magtek

www.magtek.com

MF -C -S (POS), T (POS)

20725 South Annalee Avenue, 90746 Carson, CA, Usa

Tel. 1/800/421/5208

LEGENDA

ROLE IN THE VALUE CHAIN		PRODUCT CATEGORIES		PRODUCT SPECIFICATIONS			
D	= Distributor	A	= Antenna	BT	= Batch	IF	= Iris Feature
MF	= Manufacturer	C	= Cards	BC	= Barcode	L	= Labels
SH	= Software House	EP	= Electronic Personalization	CL	= Contactless	LF	= Low Frequency
SI	= System Integrator	GP	= Graphic Personalization	CM	= Contact Memory	MG	= Magnetic
VAR	= Value Added Reseller	IC	= Integrated Circuits	CMA	= Card Materials	MK	= Marking
		M	= Media	CP	= Compact	MW	= Microwave
TECHNOLOGIES		MC	= Machinery	DNA	= DNA	OCR	= Optical Char. Recognition
B	= Biometrics	MV	= Machine Vision	EAS	= Electronic Art. Surveillance	OPT	= Optical
BC	= Barcode	P	= Printers	FF	= Facial Feature	POS	= Point of Sale
C	= Cards	R	= Readers	FP	= Fingerprint	RF	= Radio Frequency
DC	= Data Collection	S	= Scanners	FX	= Fixed	SL	= Smart Labels
NFC	= Near Field Comm.	SW	= Software	H	= Holograms	SM	= Smart
RFID	= Radio Frequency	T	= Terminals	HF	= High Frequency	TTR	= Thermal Transfer Ribbon
	Identification Device	TAG	= Tags	HG	= Hand Geometry	UHF	= Ultra High Frequency
RTLS	= Real Time Loc. System	VR	= Voice Recognition	HH	= Handheld	VF	= Verifier
				I	= Industrial	VT	= Vehicle Terminal

Masktech GmbH

www.masktech.de

sales@masktech.de

SH -C, B, RFID -IC, SW

Nordostpark 45, 90411 Nuremberg, Germany   Tel. 49/911/955149-0   Fax 49/911/955149-7

MaskTech is the leading independent provider of high security multi-application operating systems (OS) and customized Flash/ROM masked products for electronic travel documents and ID applications. Our embedded solution (MTCOS) protects e-documents in more than 65 countries worldwide. MTCOS is a fully open standard (ISO/IEC) compliant, Common Criteria EAL5+ certified operating system which includes a large variety of ID applications e.g. ICAO/BSI ePassport, national e-ID, -sign, -health, -driving license and PKI. It supports the RFID, dual interface or contact interface.

Matica System S.r.l.

www.maticasystem.com

MF -C -C (MG, CM, SM, CL, FP), M (TTR, I), P (I, TTR), EP, GP, MC, MV

Via G. Rossa 4/6, 20037 Paderno Dugnano (MI), Italy   Tel. 39/02/92272501   Fax 39/02/91084372

Maurer Electronics GmbH

www.maurer-electronics.de

MF -C -MC

Hanauer Strasse 1, 80992 Munich, Germany   Tel. 49/89/139268630   Fax 49/89/1392680

Melzer maschinenbau GmbH

www.melzergmbh.com

MF -C, RFID -MC, C (MG, CM, SM, CL), M (L, SL), TAG (MK, RF<LF, HF, UHF, MW>)

Ruhrstr 51-55, 58332 Schwelm, Germany   Tel. 49/2336/9292/80   Fax 49/2336/9292/85

With 60 years of experience MELZER has been internationally recognised and established as the leading equipment supplier for the production of the most advanced ID documents, Smart Cards, DIF Cards, RFID Inlays and e-Covers for Passports. Customized solutions, the modular machine system and the lean production approach ensure and maintain unsurpassed yield rates, flexibility and profitability. The MELZER product portfolio also includes a broad range of versatile RFID converting equipment.

Microsoft Corporation

www.microsoft.com

SH -C, B, RFID, DC -SW

One Microsoft Way, 98052-6399 Redmond, WA, Usa   Tel. 1/800/642/7676   Fax 1/425/936/7329

Morpho

www.morpho.com

MF, SI -C, B -C (CM, SM, CL, FP), R (RF), T (RF, FP, IF, FF), SW, EP, GP

Le Ponant de Paris 27, rue Leblanc, F-75512 Paris Cedex 15, France   Tel. 33/1/5811/2500   Fax 33/1/4070/2550

Mühlbauer Group

www.muehlbauer.de

MF, SH, SI -RFID, C -C, M (SL), TAG (MK, RF), P (CP, I, TTR), T (FX, RF, I, BT, FP, IF, FF, VF), SW, EP, GP, MC, MV

Josef-Muehlbauer-Platz 1, 93426 Roding, Germany   Tel. 49/9461/9520   Fax 49/9461/9521101

Multicard AG

www.multicard.com

MF -C -C (MG, CM, SM, CL), T (FP, FF, VF)

Widenholzstrasse 1, 8304 Wallisellen, Switzerland   Tel. 41/44/8779000   Fax 41/44/8310003

Nadra

www.nadra.gov.pk

VAR, SI, SH -C, B, RFID, DC -SW, EP, GP

State Bank of Pakistan Building, Shahrah-e-Jamhuriat, G-5/2, 44000 Islamabad, Pakistan   Tel. 92/51/9205568   Fax 92/51/9202939

Nagra ID

www.nagraid.com

MF -C, RFID -C (MG, CM, SM, CL), M (L, TTR, H, I), TAG (RF<LF, HF, UHF>), EP, GP

Crêt du Locle 10, 2301 La Chaux-de-Fonds, Switzerland   Tel. 41/32/9240404   Fax 41/32/9240400

NBS Technologies Limited

www.nbstech.com

MF -C -C (MG, CM, SM, CL) M (TTR, H), P (CP, I, TTR), SW, EP, GP

B1 Moorfield Point, Slyfield Industrial Park, GU1 1RU Guildford, Surrey , UK   Tel. 44/1483/563200   Fax 44/1483/511189

NEC Solutions (America) Inc

www.necam.com/ids/law

SI -B -T (FP), SW

10850 Gold Center Drive, Suite 200, 95670 Rancho Cordova, CA, Usa   Tel. 1/800/777/2347   Fax 1/916/4637041

Nexus

www.vps.de

SH, SI -C, B, NFC, RFID -SW, EP, GP

Carl-Zeiss-Strasse 2, 76275 Ettlingen, Germany   Tel. 49/7243/54880   Fax 49/7243/548811

Nfive Software

www.nfive.com

SH -C, BC, RFID, B -SW

Edificio OneWorld, Urb Belo Horizonte Lt20, 2655-241 Ericeira, Portugal

Tel. 351/261/860450 Fax 351/261/865/647

Oberthur Technologies

www.oberthurcs.com

MF, SI -C -C (MG, SM, CL), SW, EP, GP

50, quai Michelet, 92300 Levallois-Perret, France

Tel. 33/1/ 5546/7200 Fax 33/1/ 5546/7201

Omnia Technologies

www.omniatags.com

MF -RFID, C -TAG (RF<LF, HF, UHF>)

Plot No. 68, Sector - 5, IMT Manesar, 122050 Gurgaon, Haryana, India

Tel. 91/124/4366411 Fax 91/1244366410

Orell Füssli

www.ofs.ch

MF -C -C (CL,CM), EP

Dietzingerstrasse 3, CH 8036 Zurich, Switzerland

Tel. 41/44/466/7711 Fax 41/44/466/7901

Otto Künnecke GmbH

www.kuennecke.com

MF, SI -C -C (MG, SM), GP, EP, MC

Zeppelinstrasse 10, 37603 Holzminden, Niedersachsen, Germany

Tel. 49/5531/9300545 Fax 49/5531/9300903

PAV Card GmbH

www.pavcard.de

MF -C, RFID -C (MG, CM, SM, CL), EP, GP, TAG (RF<HF>), M

Hamburger Strasse 6, 22952 Luetjensee, Germany

Tel. 49/4154/7990 Fax 49/4154/799151

Prooftag

www.prooftag.com

MF -C -C (OPT), M (L), TAG (MK)

350, Av d'Italie, 82000 Montauban, France

Tel. 33/5/63211050 Fax 33/5/63211058

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ruhlamat GmbH

www.ruhlamat.com

MF - C, RFID - A, C(CL), EP (MK), GP, MC

Sonnenacker 2, 99819 Marksuhl, Germany

Tel. 49/369259290 Fax 49/36925929111

ruhlamat is an innovative engineering and machine building company with its headquarters located in Germany. Activities are focused on smart card and passport processing technology, e.g. passport production and personalization, card production and personalization, module preparation as well as Inlay/RFID solutions and special machinery. ruhlamat branches and representations throughout the world create an ideal basis for a professional and area-spanning service network.

RF IDeas Inc

www.rfideas.com

MF -RFID, NFC -C (MG, CM,SM, CL), TAG (RF<LF, HF>), R (RF)

4020 Winnetka Ave, 60008 Rolling Meadows, IL, Usa

Tel. 1/847/8701723 Fax 1/847/4831129

Safe ID Solutions AG

www.safe-id.de

MF, SI -C, RFID -C (CL), GP, EP, SW, MC

Ottobrunner Str. 43, 82008 Unterhaching, Germany

Tel. 49/89/4521260 Fax 49/89/452126126

SafeNet, Inc.

www.safenet-inc.com

MF -C -C (SM), SW

4690 Millennium Drive, 21017 Belcamp, MD, U.S.A.

Tel. 1/410/931/7500 Fax 1/410/931/7524

Schreiner LogiData
www.schreiner-logidata.com

MF -C, RFID, BC -C (SM, CL), M(L, SL, I), TAG (RF<HF, UHF>)

Bruckmannring 22, 85764 Oberschleissheim, Germany

Tel. 49/89/31584/4140   Fax 49/89/31584/4109

SCM Microsystems (Identiv)
www.scmmicro.com

MF -RFID, NFC -R (HH, FX, RF), T (HH, FX, RF)

Oskar-Messter-Straße 13, 85737 Ismaning, Germany

Tel. 49/89/9595/5000   Fax 49/89/9595/5555

SecureTech Consultancy
www.securetech-consultancy.com

SH, SI, VAR - C (CL, CM, SM), EP, T (FF, OCR, TTR)

827, Street No. 85, I-8/4, Islamabad-44000, Pakistan

Tel. +92 51 111 111 782   Fax +92 51 4436480

Selex Elsag
www.selexelsag.com

MF, SH, SI -C, B, RFID, DC -C (CM, SM, CL), TAG (RF<HF, UHF>), P (I), R (HH, FX, RF, I), S (POS, I, OCR), T (FP, FF), SW, GP, EP

Via Puccini, 2, 16154 Genova, Italy

Tel. 39/010/65821   Fax 39/010/6512898

SICPA Security Solutions
www.sicpa.com

MF, SH - C - P, SW, TAG (L, MK)

Av de Florissant 41, 1008 Prilly – Switzerland

Tel. +41 21 627 61 55   Fax +41 21 627 57 27

At the core of SICPA's security expertise are high-performance security inks that protect the majority of the world's banknotes, security documents and value documents from counterfeiting and fraud. SICPA's Government Security Solutions Division enables Governments to protect tax revenues and deliver associated policy objectives by providing unique and secure authentication and traceability solutions. SICPATRACE® combines material based security with state-of-the-art information technology which enables our partner Governments to secure revenue and protect consumers. SICPA is a pioneer in this field and has successfully implemented and operated nationwide track and trace solutions for Governments worldwide.

Sitroncis
www.sitronics.com

MF -C -C (SM), IC

39/5 3-ya Tverskaya-Yamskaya St. Building I, 125047 Moscow, Russia

Tel. 7/495/2250030   Fax 7/495/2250036

Skidata AG
www.skidata.com

MF, D, SI -C, RFID -C (SM, CL, OPT, MG), M (L, TTR), TAG (RF<LF, HF>), P (CP, TTR), R (HH, FX, RF), S (HH, FX, POS), SW, T (HH, FX, BC, POS, VT)

Unterbergstrasse 40, 5083 Grödig - Salzburg, Austria

Tel. 43/6246/8880   Fax 43/6246/8887

Smartware
www.smartware.fr

MF -C, RFID -EP, GP, R (RF)

11, Avenue des Andes, Le Carthagène, Z.A. de Courtaboeuf, 91940 Les Ulis, France

Tel. 33/1/6486/2525   Fax 33/1/6486/2526

SPS - Smart Packaging Solutions
www.s-p-s.com

MF - C - A, C (CMA, CL, HF), IC, DATAPAGE

85 avenue de la Plaine, ZI de Rousset-Peynier, 13790 Rousset – France

Tel. +33 4 42 53 88 30   Fax +33 4 42 53 84 48

Spartanics
www.spartanics.com

MF -C, RFID -C (MG, CM, SM), M (L), P (I)

3605 Edison Place, 60008 Rolling Meadows, IL, Usa

Tel. 1/847/3945700   Fax 1/847/3940409

STMicroelectronics
www.st.com

MF -C, RFID, B -C (CM, SM, CL, FP), M (SL), TAG (RF<HF, UHF>), IC

39, Chemin du Champ des Filles CP 21, 1228 Plan-Les-Ouates, Geneva 15, Switzerland

Tel. 41/22/9292929   Fax 41/22/929/2900

Studio Card Ltd.
www.rfid.bg

SI, VAR, D -C, RFID -C (CL, SM), M, TAG (RF<LF, HF>), R (RF), T (RF)

36, Dragan Tsankov Blvd., Interpred World Trade Centre, Office B 324, 1040 Sofia, Bulgaria

Tel. 359/886/718545   Fax 359/2/9693330

Symbolic S.p.A.
www.symbolic.it

D -C -C (SM)

Viale Mentana 29, 43121 Parma, Italy

Tel. 39/0521/708811   Fax 39/0521/776190

Szzt Electronics Group
www.szzt.com

MF -C, DC -C (MG, SM), R, P, T (HH, BC, POS), SW, EP, GP

5/F, West Coast Bldg, Nan You Rd, 518054 Nan Shan Dist., Shenzhen, Guangdong, China

Tel. 86/755/26490094   Fax 86/755/26490099

Texas Instruments RFID Systems
www.ti-rfid.com

MF -RFID, C -C (CL), M (SL), TAG (RF<LF, HF, UHF>), IC, A, R (HH, FX, RF), T (RF), SW

6550 Chase Oaks Blvd, 75023 Plano, TX, Usa

Tel. 1/800/962/7343   Fax 1/214/567/7343

Company	Details		
Thales www.thalesgroup.com	MF, SI ‑B, NFC ‑IC, A, T(FX, FP, IF, FF), SW, EP 20‑22 rue Grange Dame Rose, 78141 Velizi, France	Tel. 33/1/73320000	
Trüb AG www.trueb.ch	MF, SI ‑C, B, NFC ‑C (MG, CM, SM, CL, FP), M (H), TAG (RF<LF, HF>), IC, A, P (TTR), SW, EP, GP, MC Hintere Bahnhofstrasse 12, 5001 Aarau, Switzerland	Tel. 41/62/8320000	Fax 41/62/8320100
Ultra Electronics Card Systems www.magicard.com	MF ‑C, BC ‑M (TTR, H), P (CP, TTR) Hampshire Road, DT4 9XD Weymouth, Dorset, UK	Tel. 44/1305/784738	Fax 44/1305/777118
Unisys www.unisys.com/biometrics	SI, SH, VAR ‑C, B ‑C (MG,SM,OPT,FP), T (HH, FX, RF, BT, BC, FP, IF, FF, VF), VR, SW, EP, GP 801 Lakeview Drive, 19422 Blue Bell, PA, Usa	Tel. 1/215/986/4011	
Vasco Data Security International www.vasco.com	MF ‑C ‑R (HH), SW Koningin Astridlaan 164, 1780 Wemmel, Belgium	Tel. 32/2/6099700	Fax 32/2/6099709
VeriFone, Inc. www.verifone.com	MF ‑C ‑T (HH, POS), P, SW 2099 Gateway Place, Suite 600, 95110 San Jose, CA, Usa	Tel. 1/408/232/7800	Fax 1/408/232/7811
Verisign www.verisign.com	SI ‑C, DC, RFID ‑C, SW 487 E. Middlefield Road, 94043 Mountain View, Usa	Tel. 1/650/4263535	
Vision‑Box www.vision-box.com	MF ‑C, B ‑C, R (FX, FF, FP, VF), T Rua Casal do Canas n.2, Zona Industrial de Alfragide, 2790‑204 Carnaxide, Portugal	Tel. 351/21/154/3900	Fax 351/21/154/3901
Vlatacom d.o.o. www.vlatacom.com	MF, SI, SH ‑C, B, DC ‑R(HH, FX,RF<HF>), S(OCR), T (HH, BC, FP, FF, RF, VF), SW, EP, GP 5 Milutina Milankovica, 11070 Belgrade, Serbia	Tel. 381/11/377/1100	Fax 381/11/377/1199
Wick Hill Group plc www.wickhill.com	D ‑B, C ‑C (SM, CL, FP), SW, EP River Court, GU21 5RP Woking, UK	Tel. 44/1483/227600	Fax 44/1483/227700
Wincor Nixdorf International GmbH www.wincor-nixdorf.com	MF, SH, SI ‑RFID, C ‑T (HH, FX, RF, BC, POS, VF), R (HH, FX, POS), SW, P (CP) Heinz‑Nixdorf‑Ring 1, 33106 Paderborn, Germany	Tel. 49/5251/69330	Fax 49/5251/6936767
WiseKey www.wisekey.com	MF, SH ‑ C, DC ‑ T (VF), SW World Trade Center II, 29, Route de Pré‑Bois, P.O. Box 853, CH‑1215 Genève 15, Switzerland	Tel. +41 22 594 30 00	
ZeitControl cardsystems www.zeitcontrol.de	MF ‑C, RFID ‑M (SL), TAG (RF<LF, HF>), A, R (HH,FX,RF,I), T (HH,FX,RF,I), EP, MC Siedlerweg 39, 32429 Minden, Germany	Tel. 49/571/505220	Fax 49/571/5052299