

TOKEN-BASED SECURITY DEVICES SYSTEMS  
(with two-factor authentication)

COMPANY	PRODUCT	SHIP DATE	PLATFORMS SUPPORTED	INTERFACES SUPPORTED	DIRECT CONNECT FROM WINDOWS
CRYPTOCARD INC. Buffalo Grove, Ill. (708) 459-6500 (800) 307-7042	Cryptocard	4/89	DOS, Windows, Unix, SunOS, NetWare, VMS, MVS, AIX, Ultrix	text	no
DIGITAL PATHWAYS INC. Mountain View, Calif. (415) 964-0707	Defender	1/90	DOS, Windows, Mac OS, NetWare, Windows NT	graphic; text	yes
INFORMATION RESOURCE ENGINEERING INC. Baltimore, Md. (410) 931-7500	AX200 Encryption Modem	3/95	all platform-independent	text	yes
LEEMAH DATACOM SECURITY CORP. Hayward, Calif. (510) 786-0790 (800) 331-2734	TraqNet	1/86	all platform-independent	graphic; text	yes
NATIONAL SEMICONDUCTOR CORP. Sunnyvale, Calif. (408) 721-8797	PersonaCard	1/95	DOS, Windows	all (interface-specific to OEM application)	yes
RACAL-GUARDATA INC. Herndon, Va. (703) 471-0892 (800) 521-6261	Gateway Security System	1/93	DOS, Windows, OS/2, Mac OS, Unix, SunOS, NetWare, VMS, MVS	text	yes (client-side)
SECURE COMPUTING CORP. Roseville, Minn. (612) 628-2700 (800) 692-5625	Lockout	7/94	DOS, Windows, Mac OS, Unix, SunOS, VMS, MVS	graphic; text; Unix command line	yes
SECURITY DYNAMICS TECHNOLOGIES INC. Cambridge, Mass. (617) 547-7820 (800)732-8743	Ace/Server Technology	6/92	Windows NT, SCO, Mac OS, Unix, Sun OS, NetWare	text	yes
VIRTUAL OPEN NETWORK ENVIRONMENT CORP. Rockville, Md. (301) 881-2297 (800) 881-7090	SmartWall	10/94	Windows, Mac OS, Unix, SunOS	graphic	yes
	This chart is representative, not all-inclusive. All information is provided by the vendor. An XLS version is available in Library 4 of the PC Week Extra! forum on ZiffNet. Look for XLS files by issue date. Chart compiled by Gregory Paye.				

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COMPANY	COMPONENTS	AUTHENTICATION PROTOCOLS SUPPORTED	AUTHENTICATION STANDARDS	ENCRYPTION STANDARD
CRYPTOCARD INC. Buffalo Grove, Ill. (708) 459-6500 (800) 307-7042	password generator SB1: 3.5 disc replica (auto-token), and RB: credit-card sized token	DES	DES/CBC	DES
DIGITAL PATHWAYS INC. Mountain View, Calif. (415) 964-0707	Securenet Key password generator; hardware and software	TACAS+; RADIUS	ANSI X9.9, ANSI X9.17, FIPS 140-1, DES/CBC, DES	none
INFORMATION RESOURCE ENGINEERING INC. Baltimore, Md. (410) 931-7500	encryptor, password generator included within modem	ANSI X9.26	ANSI X3.92, ANSI X3.106, ANSI X9.9, ANSI X9.17, ANSI X9.23, ANSI X9.26, FIPS 46, FIPS 81, FIPS 113, FIPS 140-1, ISO 8730, ISO 8731-1, ISO 8732, DIS 10126, DES/CBC, DES	DES; CLIPPER
LEEMAH DATACOM SECURITY CORP. Hayward, Calif. (510) 786-0790 (800) 331-2734	InfoCard II password generator; InfoKey (in-line authenticator)	DES	DES	DES
NATIONAL SEMICONDUCTOR CORP. Sunnyvale, Calif. (408) 721-8797	PCMCIA token	RSA	RSA	Public Key/RSA; DES
RACAL-GUARDATA INC. Herndon, Va. (703) 471-0892 (800) 521-6261	CAT-2001H encryption device (smart card-based); Watch Word (token), Watch Word Soft-Token (software)	ANSI X9.26	ANSI X3.92, ANSI X3.106, ANSI X9.9, ANSI X9.17, ANSI X9.23, ANSI X9.26, FIPS 46, FIPS 81, FIPS 113, FIPS 140-1, ISO 8730, ISO 8731-1, ISO 8732, DIS 10126, DES/CBC, DES	DES, REP
SECURE COMPUTING CORP. Roseville, Minn. (612) 628-2700 (800) 692-5625	software-based authentication mechanism	DES	DES; FTSP 41	DES
SECURITY DYNAMICS TECHNOLOGIES INC. Cambridge, Mass. (617) 547-7820 (800) 732-8743	SecurID card password generator	TACAS/TACAS+, TCP/IP	ANSI X3.92, ANSI X9.26, FIPS 46, FIPS 81	DES, Proprietary
VIRTUAL OPEN NETWORK ENVIRONMENT CORP. Rockville, Md. (301) 881-2297 (800) 881-7090	SmartCAT reader, Smart card password generator; Virtual SmartCAT (software version)	V-ONE, S-KEY, SNK, Fortezza, SecureID	DES, FIPS 186, FIPS 180, FIPS 185	DES, Public Key/RSA, CLIPPER, MD5 S/key, MD4 S/Key

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COMPANY	SESSION ENCRYPTION	CUSTOMER SUPPORT	PRICE; ESTIMATED COST PER USER
CRYPTOCARD INC. Buffalo Grove, Ill. (708) 459-6500 (800) 307-7042	log-ins can be fully encrypted	1 year free support (800) 307-7042	\$60-249 dependent on type and volume; \$75
DIGITAL PATHWAYS INC. Mountain View, Calif. (415) 964-0707	none	3 months free support (800) 344-7284	16-port system \$12,995 (other system costs vary); \$110
INFORMATION RESOURCE ENGINEERING INC. Baltimore, Md. (410) 931-7500	log-ins, remote data transfers, and data-file transfers can be full encrypted	1 year free support	\$295; \$295
LEEMAH DATACOM SECURITY CORP. Hayward, Calif. (510) 786-0790 (800) 331-2734	log-ins can be fully encrypted	5 years free support (800) 331-2734	\$500-\$700; \$90
NATIONAL SEMICONDUCTOR CORP. Sunnyvale, Calif. (408) 721-8797	log-ins, data transfers; and data-file transfers can be fully encrypted	OEM dependent; (800) 272-9959	\$249; \$209
RACAL-GUARDATA INC. Herndon, Va. (703) 471-0892 (800) 521-6261	log-ins, data transfers, and data-file transfers can be fully encrypted	3 months free support; paid support available (800) 521-6261	host component \$10K+; client-end \$50-850 each; per-user cost varies
SECURE COMPUTING CORP. Roseville, Minn. (612) 628-2700 (800) 692-5625	log-ins can be fully encrypted	1 month free support; paid support available (800) 700-8328	Software host \$1495; Hardware hopst \$10,000; \$40-70
SECURITY DYNAMICS TECHNOLOGIES INC. Cambridge, Mass. (617) 547-7820 (800)732-8743	log-ins can be fully encrypted	must have service contract (617) 876-9640	\$1950; \$149
VIRTUAL OPEN NETWORK ENVIRONMENT CORP. Rockville, Md. (301) 881-2297 (800) 881-7090	log-ins, remote data transfers, and data-file transfers can be fully encrypted	1 year free support (800) 881-7090	\$18,000; cost per-user varies