

All prices as of market close Friday, October 27, 2001

Cash (as it is tallied here) = Cash + Securities. ( **Warning:** Cash + Securities data can lag earnings data - by many weeks!)

MC = Market Capitalization

ttm = Trailing Twelve Months

Companies are in order of -->

TR = Tornado Ratio = (MC - CASH) / Revenue

All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
VCampus Corporation	VCMP	\$ 7	-\$ 586	0.8	-75.7	\$ 593	\$ 8	-\$0.99	n/a	\$ 0.5	14.2
Preview Systems, Inc.	PRVWZ	\$ 2	-\$ 65	0.3	-10.7	\$ 67	\$ 6	-\$1.86	n/a	\$ 0.1	17.7
Authoriszor Inc.	AUTH	\$ 4	-\$ 5	5.5	-7.7	\$ 9	\$ 1	-\$1.10	n/a	\$ 0.2	18.5
SimPlayer.com	SMPL	\$ 0	-\$ 4	0.2	-7.4	\$ 4	\$ 1	-\$0.72	n/a	\$ 0.0	9.1
Liquid Audio, Inc.	LQID	\$ 59	-\$ 45	7.5	-5.8	\$ 104	\$ 8	-\$1.99	n/a	\$ 2.6	22.6
ImagicTV Inc.	IMTV	\$ 14	-\$ 38	1.8	-4.8	\$ 52	\$ 8	-\$0.73	n/a	\$ 0.6	24.6
SEEC, Inc.	SEEC	\$ 7	-\$ 11	2.9	-4.4	\$ 19	\$ 3	-\$1.39	n/a	\$ 1.2	6.1
Clarus	CLRS	\$ 53	-\$ 72	3.1	-4.2	\$ 126	\$ 17	-\$5.75	n/a	\$ 3.4	15.5
Loudeye Technologies	LOUD	\$ 24	-\$ 44	2.2	-4.0	\$ 69	\$ 11	-\$1.52	n/a	\$ 0.6	44.4
PlanetCAD Inc.	PCD	\$ 2	-\$ 9	0.8	-3.4	\$ 11	\$ 3	-\$1.17	n/a	\$ 0.2	12.4
Aether Systems, Inc.	AETH	\$ 299	-\$ 342	2.9	-3.3	\$ 642	\$ 105	-\$38.74	n/a	\$ 7.4	40.7
Net Perceptions, Inc.	NETP	\$ 30	-\$ 46	2.0	-3.1	\$ 76	\$ 15	-\$5.19	n/a	\$ 1.1	27.1
Eloquent Inc.	ELOQ	\$ 9	-\$ 16	1.4	-2.4	\$ 25	\$ 7	-\$1.72	n/a	\$ 0.5	18.5
eBT International, Inc.	EBTI	\$ 44	-\$ 16	6.1	-2.2	\$ 60	\$ 7	-\$1.44	n/a	\$ 3.0	14.9
Cysive, Inc.	CYSV	\$ 68	-\$ 57	2.0	-1.7	\$ 125	\$ 34	-\$0.92	n/a	\$ 2.3	29.8
Datalex plc	DLEX	\$ 12	-\$ 61	0.3	-1.6	\$ 72	\$ 39	-\$4.05	n/a	\$ 0.9	13.6
Eprise	EPRS	\$ 21	-\$ 27	1.2	-1.6	\$ 48	\$ 17	-\$1.12	n/a	\$ 0.9	23.1
Talarian Corporation	TALR	\$ 34	-\$ 22	2.2	-1.4	\$ 55	\$ 15	-\$1.39	n/a	\$ 1.8	19.1
Direct Insite Corporation	DIRI	\$ 4	-\$ 3	1.7	-1.4	\$ 7	\$ 2	-\$24.14	n/a	\$ 1.8	2.1
Apropos	APRS	\$ 24	-\$ 32	0.9	-1.2	\$ 57	\$ 27	-\$0.90	n/a	\$ 1.5	16.5
Resonate Inc.	RSNT	\$ 66	-\$ 22	3.6	-1.2	\$ 88	\$ 18	-\$1.84	n/a	\$ 2.4	27.5
RadView Software Ltd.	RDVW	\$ 4	-\$ 11	0.5	-1.2	\$ 16	\$ 9	-\$1.25	n/a	\$ 0.3	16.3
Viant Corporation	VIAN	\$ 60	-\$ 96	0.7	-1.2	\$ 156	\$ 82	-\$1.08	n/a	\$ 1.2	50.5
MIND C.T.I. Ltd.	MNDO	\$ 25	-\$ 14	2.0	-1.1	\$ 39	\$ 13	-\$0.08	n/a	\$ 1.3	19.9
Telemate.Net Software	TMNT	\$ 14	-\$ 9	1.6	-1.0	\$ 23	\$ 9	-\$1.94	n/a	\$ 1.5	9.4
Orchestream Holdings plc.	OCHS	\$ 38	-\$ 13	2.9	-1.0	\$ 50	\$ 13	-\$1.78	n/a	\$ 3.5	10.7
Rare Medium	RRRR	\$ 25	-\$ 73	0.3	-0.9	\$ 98	\$ 79	-\$2.84	n/a	\$ 0.4	63.7
Caldera International Inc	CALD	\$ 17	-\$ 20	0.8	-0.9	\$ 37	\$ 23	-\$1.06	n/a	\$ 0.3	57.1
Corio, Inc.	CRIO	\$ 47	-\$ 41	0.9	-0.8	\$ 88	\$ 51	-\$1.50	n/a	\$ 0.9	54.4
TCSI Corporation	TCSI	\$ 15	-\$ 10	1.1	-0.7	\$ 25	\$ 14	-\$0.57	n/a	\$ 0.7	23.2
divine, inc	DVIN	\$ 132	-\$ 72	1.3	-0.7	\$ 204	\$ 98	-\$3.53	n/a	\$ 0.5	269.3

## All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Keynote	KEYN	\$ 219	-\$ 33	4.8	-0.7	\$ 252	\$ 46	-\$2.03	n/a	\$ 7.8	28.1
Niku Corporation	NIKU	\$ 43	-\$ 50	0.5	-0.6	\$ 93	\$ 82	-\$4.42	n/a	\$ 0.6	76.0
Lante Corp.	LNTE	\$ 35	-\$ 29	0.7	-0.6	\$ 64	\$ 48	-\$0.81	n/a	\$ 0.9	40.7
Silver Stream	SSSW	\$ 94	-\$ 50	1.1	-0.6	\$ 144	\$ 84	-\$3.30	n/a	\$ 4.3	21.9
Arel Comm. & Software Ltd	ARLC	\$ 7	-\$ 8	0.5	-0.6	\$ 16	\$ 14	-\$0.49	n/a	\$ 0.6	12.9
Be Inc.	BEOS	\$ 4	-\$ 1	4.9	-0.6	\$ 5	\$ 1	-\$0.54	n/a	\$ 0.1	36.6
Daleen Technologies, Inc.	DALN	\$ 11	-\$ 11	0.5	-0.5	\$ 21	\$ 20	-\$5.51	n/a	\$ 0.5	21.9
Workgroup Technology Corp	WKGP	\$ 1	-\$ 4	0.1	-0.5	\$ 4	\$ 7	-\$2.83	n/a	\$ 0.4	1.8
Marimba, Inc.	MRBA	\$ 40	-\$ 21	0.9	-0.5	\$ 61	\$ 45	-\$0.60	n/a	\$ 1.7	24.1
Landacorp, Inc.	LCOR	\$ 9	-\$ 7	0.6	-0.5	\$ 16	\$ 16	-\$1.02	n/a	\$ 0.6	15.7
Delano Technology Corp.	DTEC	\$ 9	-\$ 12	0.3	-0.4	\$ 20	\$ 27	-\$4.76	n/a	\$ 0.2	37.7
Convera Corporation	CNVR	\$ 111	-\$ 20	2.3	-0.4	\$ 131	\$ 47	-\$3.02	n/a	\$ 2.3	47.6
InforMax, Inc.	INMX	\$ 61	-\$ 10	2.4	-0.4	\$ 70	\$ 25	-\$2.06	n/a	\$ 2.5	24.3
FirePond, Inc.	FIRE	\$ 28	-\$ 22	0.5	-0.4	\$ 50	\$ 56	-\$1.66	n/a	\$ 0.7	38.8
NetGenesis Corp.	NTGX	\$ 29	-\$ 9	1.2	-0.4	\$ 38	\$ 23	-\$1.76	n/a	\$ 1.2	23.5
Intelligent Systems Corp.	INS	\$ 18	-\$ 2	2.8	-0.4	\$ 20	\$ 6	\$3.34	0.9	\$ 3.2	5.6
Selectica, Inc.	SLTC	\$ 139	-\$ 19	2.4	-0.3	\$ 158	\$ 57	-\$1.06	n/a	\$ 3.9	36.1
Tanning Technology Corp.	TANN	\$ 44	-\$ 18	0.8	-0.3	\$ 62	\$ 53	-\$0.87	n/a	\$ 2.1	21.6
Blue Martini Software	BLUE	\$ 82	-\$ 23	1.1	-0.3	\$ 105	\$ 75	-\$1.20	n/a	\$ 1.2	68.4
Evolve Software Inc.	EVLV	\$ 12	-\$ 11	0.3	-0.3	\$ 23	\$ 35	-\$3.86	n/a	\$ 0.3	40.2
Concur Technologies, Inc.	CNQR	\$ 20	-\$ 10	0.5	-0.3	\$ 30	\$ 37	-\$1.71	n/a	\$ 0.8	25.8
Ask Jeeves	ASKJ	\$ 37	-\$ 23	0.4	-0.3	\$ 60	\$ 88	-\$13.96	n/a	\$ 1.0	36.9
Docent, Inc.	DCNT	\$ 71	-\$ 7	2.6	-0.3	\$ 78	\$ 28	-\$1.51	n/a	\$ 1.7	42.3
Versata, Inc.	VATA	\$ 19	-\$ 11	0.4	-0.2	\$ 30	\$ 55	-\$1.69	n/a	\$ 0.5	42.4
Jacada Ltd.	JCDA	\$ 40	-\$ 6	1.4	-0.2	\$ 46	\$ 29	-\$0.09	n/a	\$ 2.2	18.5
Top Image Systems Ltd.	TISA	\$ 9	-\$ 2	0.8	-0.2	\$ 11	\$ 11	-\$0.95	n/a	\$ 1.4	6.1
Ecometry Corporation	ECOM	\$ 32	-\$ 6	0.9	-0.2	\$ 38	\$ 37	-\$0.30	n/a	\$ 2.5	12.5
Peerless Systems Corp.	PRLS	\$ 13	-\$ 4	0.5	-0.2	\$ 17	\$ 27	-\$1.00	n/a	\$ 0.9	15.2
BackWeb Technologies Ltd.	BWEB	\$ 43	-\$ 4	1.8	-0.2	\$ 47	\$ 23	-\$0.91	n/a	\$ 1.1	38.4
Cimatron Ltd.	CIMT	\$ 5	-\$ 4	0.2	-0.1	\$ 9	\$ 24	-\$0.52	n/a	\$ 0.7	8.0
ServiceWare Technologies	SVCW	\$ 5	-\$ 3	0.3	-0.1	\$ 8	\$ 20	-\$1.49	n/a	\$ 0.2	24.5
Tarantella, Inc.	TTLA	\$ 12	-\$ 12	0.1	-0.1	\$ 24	\$ 95	\$0.09	3.3	\$ 0.3	40.1
Comdisco Inc	CDO	\$ 85	-\$ 388	0.0	-0.1	\$ 473	\$ 3,220	\$0.20	2.8	\$ 0.6	151.9
ActionPoint, Inc.	ACTP	\$ 6	-\$ 3	0.3	-0.1	\$ 9	\$ 25	-\$0.49	n/a	\$ 1.4	4.3
Brokat Aktiengesellschaft	BROA	\$ 24	-\$ 13	0.2	-0.1	\$ 36	\$ 133	-\$12.03	n/a	\$ 0.3	73.9
CMG Info	CMGI	\$ 595	-\$ 115	0.5	-0.1	\$ 711	\$ 1,270	-\$16.44	n/a	\$ 1.7	346.2
E-SIM Ltd.	ESIM	\$ 3	-\$ 1	0.3	-0.1	\$ 3	\$ 8	-\$0.83	n/a	\$ 0.2	11.7
Captaris, Inc.	CAPA	\$ 67	-\$ 7	0.7	-0.1	\$ 74	\$ 93	-\$0.20	n/a	\$ 2.1	31.7

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Digital Lava, Inc.	DGLV	\$ 1	-\$ 0	0.2	-0.1	\$ 1	\$ 4	-\$1.38	n/a	\$ 0.1	7.2
InterTrust Technologies	ITRU	\$ 118	-\$ 1	12.2	-0.1	\$ 118	\$ 10	-\$1.17	n/a	\$ 1.3	94.1
Exchange Applications	EXAP	\$ 11	-\$ 3	0.2	-0.1	\$ 14	\$ 50	-\$6.12	n/a	\$ 0.3	33.8
NEON Systems, Inc.	NESY	\$ 37	-\$ 2	1.5	-0.1	\$ 39	\$ 25	-\$1.03	n/a	\$ 3.9	9.6
Infinium	INFM	\$ 11	-\$ 5	0.1	-0.1	\$ 16	\$ 84	-\$2.53	n/a	\$ 0.8	13.4
Aspect Communications	ASPT	\$ 103	-\$ 30	0.2	-0.1	\$ 134	\$ 503	-\$2.67	n/a	\$ 2.0	51.7
Optika Inc.	OPTK	\$ 7	-\$ 1	0.5	-0.1	\$ 8	\$ 15	-\$1.10	n/a	\$ 0.9	8.2
Omtool, Ltd.	OMTL	\$ 12	-\$ 1	0.8	-0.1	\$ 13	\$ 15	-\$0.42	n/a	\$ 1.0	12.8
ViryNet Ltd.	VRYA	\$ 13	-\$ 1	0.5	0.0	\$ 14	\$ 25	-\$4.49	n/a	\$ 0.6	21.7
Safeguard Scientifics	SFE	\$ 301	-\$ 120	0.1	0.0	\$ 421	\$ 2,560	-\$5.16	n/a	\$ 2.6	117.6
3Com	COMS	\$ 1,530	-\$ 100	0.7	0.0	\$ 1,630	\$ 2,280	-\$3.33	n/a	\$ 4.4	347.7
Rogue Wave Software	RWAV	\$ 32	-\$ 2	0.6	0.0	\$ 34	\$ 58	-\$0.06	n/a	\$ 2.9	11.1
Cellular Technical Serv.	CTSC	\$ 7	-\$ 1	0.3	0.0	\$ 8	\$ 26	\$0.21	14.1	\$ 3.0	2.3
VA Linux	LNUX	\$ 78	-\$ 5	0.6	0.0	\$ 83	\$ 135	-\$10.47	n/a	\$ 1.5	53.7
INSpire Insur. Solutions	NSPR	\$ 7	-\$ 2	0.1	0.0	\$ 9	\$ 79	-\$4.17	n/a	\$ 0.4	19.0
VocalTec	VOCL	\$ 21	-\$ 1	0.6	0.0	\$ 22	\$ 35	-\$2.08	n/a	\$ 1.8	12.1
INTASYS Corporation	INTA	\$ 4	-\$ 0	0.3	0.0	\$ 4	\$ 13	-\$11.91	n/a	\$ 1.6	2.7
Manchester Technologies	MANC	\$ 17	\$ 2	0.1	0.0	\$ 15	\$ 280	\$0.21	10.1	\$ 2.1	8.0
Applix	APLX	\$ 9	\$ 0	0.2	0.0	\$ 9	\$ 40	-\$1.49	n/a	\$ 0.8	12.0
Software Spectrum, Inc.	SSPE	\$ 32	\$ 22	0.0	0.0	\$ 10	\$ 1,240	\$0.83	12.4	\$ 10.3	3.1
Walker Interactive System	WALK	\$ 8	\$ 1	0.2	0.0	\$ 7	\$ 46	-\$0.20	n/a	\$ 0.6	15.0
Sapiens International	SPNS	\$ 14	\$ 1	0.2	0.0	\$ 13	\$ 59	-\$2.17	n/a	\$ 0.6	23.0
Beyond.com	BYND	\$ 8	\$ 2	0.1	0.0	\$ 6	\$ 91	-\$34.27	n/a	\$ 2.3	3.3
LivePerson, Inc.	LPSN	\$ 10	\$ 0	1.2	0.0	\$ 10	\$ 8	-\$0.93	n/a	\$ 0.3	34.0
Interliant	INIT	\$ 23	\$ 5	0.1	0.0	\$ 18	\$ 159	-\$3.97	n/a	\$ 0.4	51.3
724 Solutions Inc.	SVNX	\$ 109	\$ 2	2.4	0.0	\$ 108	\$ 46	-\$9.38	n/a	\$ 1.9	58.3
Segue	SEGU	\$ 10	\$ 2	0.2	0.0	\$ 8	\$ 45	-\$1.94	n/a	\$ 1.1	9.4
Interling Software Corp.	INLQ	\$ 9	\$ 1	0.6	0.0	\$ 9	\$ 17	-\$1.01	n/a	\$ 1.9	4.8
Primus Knowledge Solut.	PKSI	\$ 25	\$ 2	0.7	0.0	\$ 23	\$ 35	-\$0.95	n/a	\$ 1.3	18.9
Formula Systems (1985)	FORTY	\$ 122	\$ 18	0.3	0.0	\$ 104	\$ 410	-\$3.01	n/a	\$ 13.0	9.3
Webhire, Inc.	HIRE	\$ 9	\$ 1	0.4	0.0	\$ 8	\$ 23	-\$4.93	n/a	\$ 1.9	4.5
Silicon Graphics	SGI	\$ 263	\$ 83	0.1	0.0	\$ 180	\$ 1,810	-\$2.68	n/a	\$ 1.4	192.2
Optio Software, Inc.	OPTO	\$ 8	\$ 2	0.2	0.1	\$ 7	\$ 35	-\$1.24	n/a	\$ 0.5	18.5
BindView Development	BVEW	\$ 53	\$ 5	0.6	0.1	\$ 48	\$ 84	-\$0.19	n/a	\$ 1.0	53.9
Document Sciences	DOCX	\$ 9	\$ 1	0.4	0.1	\$ 8	\$ 23	\$0.28	8.6	\$ 2.4	3.8
American Software, Inc.	AMSWA	\$ 32	\$ 5	0.4	0.1	\$ 27	\$ 89	-\$0.78	n/a	\$ 1.4	22.8
Ingram Micro A	IM	\$ 1,880	\$ 1,713	0.1	0.1	\$ 168	\$ 28,800	\$0.76	16.8	\$ 12.8	147.5
Catalyst International	CLYS	\$ 15	\$ 2	0.4	0.1	\$ 13	\$ 37	-\$0.90	n/a	\$ 1.9	8.0

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CyBear Group NEW	CYBA	\$ 4	\$ 1	0.5	0.1	\$ 4	\$ 8	-\$5.62	n/a	\$ 0.7	6.7
eGain Communications	EGAN	\$ 46	\$ 4	0.9	0.1	\$ 43	\$ 53	-\$3.63	n/a	\$ 1.3	36.4
Landmark Systems Corp.	LDMK	\$ 27	\$ 4	0.5	0.1	\$ 23	\$ 59	-\$0.20	n/a	\$ 2.2	12.4
Pervasive Software	PVSW	\$ 31	\$ 3	0.8	0.1	\$ 28	\$ 41	-\$0.09	n/a	\$ 1.8	17.2
Programmer's Paradise Inc	PROG	\$ 20	\$ 11	0.1	0.1	\$ 8	\$ 160	-\$3.30	n/a	\$ 3.8	5.2
MedicalLogic/Medscape Inc.	MDLI	\$ 23	\$ 4	0.4	0.1	\$ 18	\$ 53	-\$6.76	n/a	\$ 0.4	56.4
Extensity, Inc.	EXTN	\$ 53	\$ 3	1.5	0.1	\$ 50	\$ 36	-\$1.33	n/a	\$ 2.2	24.6
Navarre Corporation	NAVR	\$ 27	\$ 27	0.1	0.1	\$ -	\$ 303	-\$0.09	n/a	\$ 1.1	23.3
Made2Manage Systems, Inc.	MTMS	\$ 17	\$ 3	0.5	0.1	\$ 14	\$ 35	-\$0.30	n/a	\$ 3.5	4.8
Datawatch Corporation	DWCH	\$ 4	\$ 2	0.2	0.1	\$ 2	\$ 23	-\$1.55	n/a	\$ 1.6	2.5
Ross Systems, Inc.	ROSS	\$ 10	\$ 5	0.2	0.1	\$ 6	\$ 50	-\$0.44	n/a	\$ 4.0	2.6
ClickAction Inc.	CLAC	\$ 5	\$ 2	0.2	0.1	\$ 3	\$ 24	-\$0.61	n/a	\$ 0.4	12.9
Analysts International	ANLY	\$ 65	\$ 56	0.1	0.1	\$ 9	\$ 567	-\$0.31	n/a	\$ 2.7	24.2
SynQuest, Inc.	SYNQ	\$ 19	\$ 3	0.6	0.1	\$ 16	\$ 32	-\$0.54	n/a	\$ 0.7	29.5
NeoMedia Technologies	NEOM	\$ 3	\$ 2	0.2	0.1	\$ 1	\$ 17	-\$1.01	n/a	\$ 0.2	15.6
Epicor Software Corp.	EPIC	\$ 44	\$ 21	0.2	0.1	\$ 23	\$ 199	-\$0.94	n/a	\$ 1.0	44.2
Magic Software Enterprise	MGIC	\$ 45	\$ 9	0.5	0.1	\$ 35	\$ 89	-\$0.59	n/a	\$ 1.7	26.1
Primix Solutions Inc.	PMIX	\$ 3	\$ 3	0.1	0.1	\$ 1	\$ 25	-\$1.43	n/a	\$ 0.2	19.0
Tech Data Corp	TECD	\$ 2,370	\$ 2,148	0.1	0.1	\$ 222	\$ 19,300	\$2.56	17.1	\$ 43.7	54.3
Lightspan Inc.	LSPN	\$ 58	\$ 6	1.1	0.1	\$ 52	\$ 54	-\$1.43	n/a	\$ 1.3	46.5
Computer Horizons Corp.	CHRZ	\$ 83	\$ 48	0.2	0.1	\$ 35	\$ 425	-\$2.00	n/a	\$ 2.6	32.0
Elcom	ELCO	\$ 53	\$ 30	0.2	0.1	\$ 23	\$ 254	-\$0.67	n/a	\$ 1.7	31.0
TSR, Inc.	TSRI	\$ 21	\$ 9	0.3	0.1	\$ 12	\$ 76	\$0.82	5.8	\$ 4.8	4.4
NetManage, Inc.	NETM	\$ 48	\$ 12	0.5	0.1	\$ 36	\$ 94	-\$0.90	n/a	\$ 0.7	65.2
Pharsight Corporation	PHST	\$ 17	\$ 2	1.3	0.1	\$ 15	\$ 13	-\$1.20	n/a	\$ 0.9	18.5
Gateway Inc	GTW	\$ 1,860	\$ 924	0.3	0.1	\$ 936	\$ 7,390	-\$3.55	n/a	\$ 5.8	323.1
TeleCommunication Systems	TSYS	\$ 60	\$ 9	0.9	0.1	\$ 52	\$ 67	-\$1.24	n/a	\$ 2.1	28.6
Comshare	CSRE	\$ 29	\$ 8	0.5	0.1	\$ 21	\$ 62	-\$0.86	n/a	\$ 2.9	10.1
Computer Task Group, Inc.	CTG	\$ 49	\$ 44	0.1	0.1	\$ 6	\$ 330	-\$0.17	n/a	\$ 2.4	20.9
Mobius Management Systems	MOBI	\$ 44	\$ 9	0.6	0.1	\$ 35	\$ 70	-\$0.15	n/a	\$ 2.5	18.1
Sportslines USA	SPLN	\$ 67	\$ 10	0.9	0.1	\$ 57	\$ 71	\$0.07	34.9	\$ 2.4	27.5
Industri-Matematik Intl.	IMIC	\$ 30	\$ 9	0.5	0.1	\$ 21	\$ 66	-\$1.04	n/a	\$ 0.9	32.4
Persistence Software	PRSW	\$ 12	\$ 3	0.5	0.2	\$ 8	\$ 23	-\$0.88	n/a	\$ 0.6	20.0
AXS-One Inc.	AXO	\$ 8	\$ 7	0.2	0.2	\$ 1	\$ 46	-\$0.26	n/a	\$ 0.3	24.8
CareCentric, Inc.	CURA	\$ 5	\$ 5	0.2	0.2	\$ 0	\$ 28	-\$2.71	n/a	\$ 1.1	4.4
QAD Inc.	QADI	\$ 83	\$ 35	0.4	0.2	\$ 48	\$ 210	-\$0.35	n/a	\$ 2.4	34.1
Frontstep, Inc.	FSTP	\$ 22	\$ 21	0.2	0.2	\$ 2	\$ 118	-\$3.29	n/a	\$ 3.0	7.6
Frontstep	FSTP	\$ 22	\$ 21	0.2	0.2	\$ 2	\$ 118	-\$3.29	n/a	\$ 3.0	7.6

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ePlus, Inc.	PLUS	\$ 84	\$ 50	0.3	0.2	\$ 35	\$ 276	\$0.77	10.8	\$ 8.3	10.2
ACLN Ltd	ARW	\$ 2,450	\$ 2,130	0.2	0.2	\$ 320	\$ 11,700	\$0.23	107.6	\$ 24.7	99.0
MyWeb Inc.Com	MWB	\$ 1	\$ 1	0.2	0.2	\$ 0	\$ 5	-\$0.29	n/a	\$ 0.1	11.1
Evolving Systems, Inc.	EVOL	\$ 16	\$ 8	0.3	0.2	\$ 7	\$ 45	-\$0.70	n/a	\$ 1.2	13.2
Open Market, Inc.	OMKT	\$ 21	\$ 12	0.3	0.2	\$ 9	\$ 64	-\$1.14	n/a	\$ 0.5	47.2
ESPS, Inc.	LQNT	\$ 17	\$ 4	0.8	0.2	\$ 13	\$ 22	-\$0.73	n/a	\$ 1.0	17.6
Latitude Communications	LATD	\$ 31	\$ 7	0.9	0.2	\$ 24	\$ 36	-\$0.32	n/a	\$ 1.6	19.4
Avnet Inc	AVT	\$ 2,530	\$ 2,427	0.2	0.2	\$ 103	\$ 12,100	-\$0.72	n/a	\$ 21.5	117.9
iGATE Capital Corporation	IGTE	\$ 143	\$ 108	0.3	0.2	\$ 35	\$ 521	-\$0.28	n/a	\$ 2.8	51.4
Accelio	ACLO	\$ 38	\$ 14	0.6	0.2	\$ 24	\$ 67	-\$0.71	n/a	\$ 1.5	24.9
Mediaplex	MPLX	\$ 30	\$ 9	0.7	0.2	\$ 20	\$ 43	-\$0.88	n/a	\$ 0.8	36.4
Viador Inc.	VIAD	\$ 4	\$ 4	0.2	0.2	\$ 0	\$ 20	-\$2.17	n/a	\$ 0.1	33.1
Art Technology Group	ARTG	\$ 122	\$ 37	0.7	0.2	\$ 85	\$ 171	-\$0.83	n/a	\$ 1.8	68.7
Brio Technology, Inc.	BRIO	\$ 44	\$ 31	0.3	0.2	\$ 13	\$ 140	-\$0.61	n/a	\$ 1.5	29.3
GSE Systems, Inc.	GVP	\$ 13	\$ 12	0.2	0.2	\$ 1	\$ 52	-\$1.20	n/a	\$ 2.5	5.2
Group 1 Software, Inc.	GSOFF	\$ 63	\$ 22	0.7	0.2	\$ 40	\$ 94	\$1.12	8.2	\$ 9.2	6.9
Vizacom Inc.	VIZY	\$ 4	\$ 4	0.2	0.2	\$ 0	\$ 17	-\$7.77	n/a	\$ 2.0	2.1
Veramark Technologies	VERA	\$ 5	\$ 4	0.3	0.2	\$ 1	\$ 15	-\$0.19	n/a	\$ 0.6	8.3
Look Smart	LOOK	\$ 67	\$ 24	0.7	0.2	\$ 43	\$ 96	-\$0.78	n/a	\$ 0.7	92.7
Level 8 Systems, Inc.	LVEL	\$ 26	\$ 14	0.5	0.2	\$ 12	\$ 57	-\$4.98	n/a	\$ 1.6	16.1
MDSI Mobile Data Solution	MDSI	\$ 29	\$ 16	0.4	0.2	\$ 13	\$ 66	-\$1.25	n/a	\$ 3.4	8.6
Ascential Software Corp.	ASCL	\$ 1,130	\$ 178	1.7	0.3	\$ 953	\$ 681	\$2.30	1.7	\$ 4.0	283.0
Matsushita El Ind Adr	MC	\$ 26,000	\$ 16,240	0.4	0.3	\$ 9,760	\$ 61,700	\$0.04	315.0	\$ 12.6	2060.0
Pivotal Corporation	PVTL	\$ 94	\$ 25	1.0	0.3	\$ 69	\$ 95	-\$1.38	n/a	\$ 3.9	24.0
eshare communications Inc	ESHR	\$ 35	\$ 21	0.4	0.3	\$ 14	\$ 80	-\$0.55	n/a	\$ 1.6	21.9
VantageMed Corp.	VMDC	\$ 7	\$ 7	0.3	0.3	\$ -	\$ 25	-\$2.23	n/a	\$ 0.8	8.6
Intellicorp	INAI	\$ 10	\$ 7	0.4	0.3	\$ 3	\$ 26	-\$0.45	n/a	\$ 0.4	21.8
Prophet 21	PXXI	\$ 25	\$ 11	0.6	0.3	\$ 13	\$ 41	-\$0.58	n/a	\$ 6.5	3.8
Xerox Corp	XRX	\$ 4,980	\$ 4,980	0.3	0.3	\$ -	\$ 17,200	-\$0.57	n/a	\$ 7.0	717.0
Covansys Corporation	CVNS	\$ 228	\$ 125	0.5	0.3	\$ 103	\$ 421	-\$1.87	n/a	\$ 8.0	28.6
COGNICASE Inc.	COGI	\$ 93	\$ 76	0.4	0.3	\$ 17	\$ 250	-\$0.54	n/a	\$ 3.4	27.3
N2H2, Inc.	NTWO	\$ 8	\$ 3	0.9	0.3	\$ 6	\$ 9	-\$1.91	n/a	\$ 0.4	22.0
Crystal Systems Solutions	CRYS	\$ 23	\$ 15	0.5	0.3	\$ 8	\$ 46	-\$0.50	n/a	\$ 2.3	9.9
Datalink Corporation	DTLK	\$ 46	\$ 45	0.3	0.3	\$ 2	\$ 139	\$0.14	37.1	\$ 5.2	8.9
Astea International, Inc.	ATEA	\$ 14	\$ 6	0.8	0.3	\$ 8	\$ 18	-\$0.16	n/a	\$ 1.0	14.8
Compaq Computer	CPQ	\$ 16,100	\$ 12,160	0.4	0.3	\$ 3,940	\$ 36,700	-\$0.81	n/a	\$ 9.5	1690.0
Merant	MRNT	\$ 160	\$ 93	0.6	0.3	\$ 68	\$ 278	\$0.46	13.6	\$ 6.2	25.7
Hyperion Solutions Corp.	HYSL	\$ 463	\$ 179	0.9	0.3	\$ 284	\$ 516	-\$0.82	n/a	\$ 14.3	32.4

## All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Fundtech Ltd.	FNDT	\$ 73	\$ 18	1.5	0.3	\$ 56	\$ 50	-\$0.40	n/a	\$ 5.1	14.2
Netsol International	NTWK	\$ 3	\$ 2	0.4	0.4	\$ 0	\$ 7	-\$1.09	n/a	\$ 0.2	12.3
Information Resources	IRIC	\$ 210	\$ 200	0.4	0.4	\$ 10	\$ 552	-\$0.23	n/a	\$ 7.2	29.3
Solectron Corp	SLR	\$ 9,590	\$ 6,800	0.5	0.4	\$ 2,790	\$ 18,700	-\$0.20	n/a	\$ 14.6	656.7
Innoveda, Inc.	INOV	\$ 44	\$ 37	0.4	0.4	\$ 8	\$ 100	-\$1.15	n/a	\$ 1.1	39.1
GraphOn Corporation	GOJO	\$ 13	\$ 3	1.6	0.4	\$ 10	\$ 8	-\$0.72	n/a	\$ 0.8	17.3
Zamba Corporation	ZMBA	\$ 18	\$ 15	0.5	0.4	\$ 4	\$ 40	-\$0.24	n/a	\$ 0.5	34.7
Aladdin Knowledge Systems	ALDN	\$ 37	\$ 17	0.8	0.4	\$ 21	\$ 45	-\$0.28	n/a	\$ 3.3	11.3
Doubleclick	DCLK	\$ 945	\$ 167	2.1	0.4	\$ 779	\$ 442	-\$2.41	n/a	\$ 7.0	135.2
Interplay Entertainment	IPLY	\$ 38	\$ 37	0.4	0.4	\$ 1	\$ 94	-\$0.83	n/a	\$ 0.8	45.0
H.T.E., Inc.	HTEI	\$ 26	\$ 26	0.4	0.4	\$ -	\$ 64	-\$0.04	n/a	\$ 1.5	17.0
iXOS Software AG	XOSY	\$ 73	\$ 43	0.7	0.4	\$ 30	\$ 106	\$0.30	12.5	\$ 3.8	19.4
Apple Computer Inc	AAPL	\$ 6,550	\$ 2,210	1.2	0.4	\$ 4,340	\$ 5,360	-\$0.14	n/a	\$ 18.7	350.9
Silverline Technologies	SLT	\$ 71	\$ 71	0.4	0.4	\$ -	\$ 167	\$0.58	2.8	\$ 1.7	42.8
InfoVista S.A.	IVTA	\$ 71	\$ 11	2.8	0.4	\$ 60	\$ 26	-\$0.38	n/a	\$ 3.6	19.6
Unisys Corp	UIS	\$ 2,940	\$ 2,720	0.5	0.4	\$ 220	\$ 6,390	\$0.50	18.4	\$ 9.2	319.1
Deltek Systems, Inc.	DLTK	\$ 66	\$ 41	0.7	0.4	\$ 25	\$ 96	\$0.19	22.9	\$ 4.4	15.2
Perficient, Inc.	PRFT	\$ 11	\$ 10	0.5	0.4	\$ 1	\$ 23	-\$8.11	n/a	\$ 1.7	6.3
Digex	DIGX	\$ 103	\$ 96	0.5	0.4	\$ 7	\$ 215	-\$2.88	n/a	\$ 1.6	64.1
First Virtual Commun.	FVCX	\$ 30	\$ 14	0.9	0.4	\$ 16	\$ 32	-\$1.47	n/a	\$ 0.9	33.2
Exelon Corp	EXLN	\$ 36	\$ 26	0.6	0.4	\$ 10	\$ 59	-\$0.78	n/a	\$ 0.6	56.8
Logility, Inc.	LGTY	\$ 30	\$ 13	1.0	0.5	\$ 17	\$ 29	-\$0.33	n/a	\$ 2.3	13.2
Tecnomatix Technologies	TCNO	\$ 97	\$ 42	1.1	0.5	\$ 55	\$ 87	-\$1.82	n/a	\$ 9.4	10.3
ON Technology Corporation	ONTC	\$ 18	\$ 12	0.7	0.5	\$ 5	\$ 25	-\$0.56	n/a	\$ 1.1	15.4
Accrue Software, Inc.	ACRU	\$ 13	\$ 6	1.0	0.5	\$ 7	\$ 13	-\$6.36	n/a	\$ 0.4	30.1
BTG, Inc.	BTGI	\$ 117	\$ 117	0.5	0.5	\$ 0	\$ 239	\$0.16	81.8	\$ 13.1	8.9
Sonic Foundry, Inc.	SOFO	\$ 25	\$ 15	0.8	0.5	\$ 10	\$ 30	-\$2.54	n/a	\$ 1.1	22.3
Vertex Interactive Inc.	VETX	\$ 34	\$ 31	0.6	0.5	\$ 3	\$ 59	-\$1.42	n/a	\$ 1.0	34.4
Ncr Corp	NCR	\$ 3,570	\$ 3,286	0.6	0.5	\$ 284	\$ 6,110	\$2.41	15.2	\$ 36.8	97.2
QuadraMed Corporation	QMDC	\$ 114	\$ 69	0.9	0.5	\$ 45	\$ 126	-\$1.34	n/a	\$ 4.4	25.9
ClickSoftware Technolog.	CKSW	\$ 25	\$ 10	1.4	0.6	\$ 15	\$ 17	-\$0.46	n/a	\$ 0.9	26.2
Computer Sciences	CSC	\$ 6,220	\$ 6,134	0.6	0.6	\$ 86	\$ 10,800	\$1.08	34.0	\$ 36.7	169.5
Corel Corporation	CORL	\$ 207	\$ 83	1.4	0.6	\$ 124	\$ 143	-\$0.08	n/a	\$ 2.8	73.8
SS&C Technologies, Inc.	SSNC	\$ 91	\$ 33	1.6	0.6	\$ 59	\$ 55	\$0.25	24.4	\$ 6.1	15.0
Mechanical Dynamics, Inc.	MDII	\$ 51	\$ 33	0.9	0.6	\$ 18	\$ 56	\$0.44	19.1	\$ 8.4	6.1
IDX Systems Corporation	IDXC	\$ 278	\$ 226	0.7	0.6	\$ 52	\$ 379	\$0.48	20.2	\$ 9.7	28.7
Eagle Point Software Corp	EGPT	\$ 24	\$ 10	1.4	0.6	\$ 14	\$ 17	-\$0.05	n/a	\$ 5.2	4.6
E.piphany, Inc.	EPNY	\$ 427	\$ 89	2.9	0.6	\$ 338	\$ 147	-\$41.73	n/a	\$ 6.1	70.6

## All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Manugistics Group, Inc.	MANU	\$ 447	\$ 195	1.4	0.6	\$ 252	\$ 320	-\$0.79	n/a	\$ 6.6	68.1
Ultimate Software Group	ULTI	\$ 44	\$ 35	0.8	0.6	\$ 9	\$ 57	-\$0.58	n/a	\$ 2.8	15.9
Paradigm Geophysical Ltd.	PGEO	\$ 52	\$ 46	0.7	0.6	\$ 6	\$ 75	\$0.20	17.5	\$ 3.5	15.0
DocuCorp	DOCC	\$ 50	\$ 39	0.8	0.6	\$ 10	\$ 63	\$0.23	15.9	\$ 3.7	13.5
CIBER, Inc.	CBR	\$ 386	\$ 370	0.7	0.6	\$ 16	\$ 584	-\$1.24	n/a	\$ 6.5	59.3
eSoft, Inc.	ESFT	\$ 14	\$ 6	1.5	0.6	\$ 8	\$ 9	-\$0.76	n/a	\$ 0.9	15.7
Cedara Software Corp.	CDSW	\$ 26	\$ 24	0.7	0.6	\$ 2	\$ 37	-\$1.17	n/a	\$ 1.5	17.0
Advanced Micro Dev	AMD	\$ 3,570	\$ 2,667	0.9	0.6	\$ 904	\$ 4,120	\$0.41	25.2	\$ 10.3	345.6
Troy Group, Inc.	TROY	\$ 38	\$ 30	0.8	0.6	\$ 8	\$ 47	-\$0.15	n/a	\$ 3.5	10.9
Auspex Systems	ASPX	\$ 93	\$ 29	2.1	0.7	\$ 64	\$ 44	-\$1.11	n/a	\$ 2.0	45.5
BSQUARE Corporation	BSQR	\$ 116	\$ 45	1.7	0.7	\$ 71	\$ 69	-\$0.11	n/a	\$ 3.4	34.4
Bsquare Corp	BSQR	\$ 116	\$ 45	1.7	0.7	\$ 71	\$ 69	-\$0.11	n/a	\$ 3.4	34.4
Scientific Learning Corp.	SCIL	\$ 15	\$ 12	0.9	0.7	\$ 4	\$ 18	-\$1.73	n/a	\$ 1.4	11.4
MAPICS, Inc.	MAPX	\$ 110	\$ 95	0.8	0.7	\$ 15	\$ 144	-\$0.12	n/a	\$ 6.0	18.3
Hewlett-packard	HWP	\$ 34,600	\$ 31,360	0.7	0.7	\$ 3,240	\$ 47,000	\$0.69	25.9	\$ 17.9	1940.0
Hewlett Packard	HWP	\$ 34,600	\$ 31,360	0.7	0.7	\$ 3,240	\$ 47,000	\$0.69	25.9	\$ 17.9	1940.0
MicroStrategy	MSTR	\$ 210	\$ 150	0.9	0.7	\$ 61	\$ 224	-\$2.62	n/a	\$ 2.4	88.0
Systems & Computer Tech.	SCTC	\$ 397	\$ 233	1.2	0.7	\$ 164	\$ 345	-\$0.08	n/a	\$ 12.1	33.0
EXE Technologies, Inc.	EXEE	\$ 107	\$ 73	1.0	0.7	\$ 33	\$ 108	-\$0.50	n/a	\$ 2.3	45.6
Datastream Systems, Inc.	DSTM	\$ 63	\$ 63	0.7	0.7	\$ -	\$ 92	-\$0.81	n/a	\$ 3.1	20.5
Per-Se Technologies, Inc.	PSTI	\$ 249	\$ 222	0.8	0.7	\$ 27	\$ 322	-\$0.70	n/a	\$ 8.3	29.9
Online Resources Corp.	ORCC	\$ 26	\$ 16	1.1	0.7	\$ 10	\$ 22	-\$1.17	n/a	\$ 2.2	11.7
Visual Networks	VNWK	\$ 60	\$ 52	0.8	0.7	\$ 8	\$ 72	-\$11.90	n/a	\$ 1.9	31.6
Amazon	AMZN	\$ 2,810	\$ 2,142	0.9	0.7	\$ 668	\$ 2,980	-\$3.09	n/a	\$ 7.6	371.8
Starbase Corporation	SBAS	\$ 38	\$ 35	0.8	0.7	\$ 3	\$ 49	-\$1.08	n/a	\$ 0.6	69.6
Styleclick, Inc.	IBUY	\$ 15	\$ 13	0.8	0.7	\$ 2	\$ 18	-\$7.15	n/a	\$ 0.5	32.0
Nortel	NT	\$ 20,100	\$ 16,750	0.9	0.7	\$ 3,350	\$ 22,900	-\$7.50	n/a	\$ 6.3	3210.0
JD Edwards	JDEC	\$ 845	\$ 676	0.9	0.7	\$ 169	\$ 916	-\$1.68	n/a	\$ 7.4	114.2
Mercator	MCTR	\$ 102	\$ 96	0.8	0.7	\$ 6	\$ 129	-\$3.75	n/a	\$ 3.4	30.4
Commerce One	CMRC	\$ 757	\$ 409	1.4	0.8	\$ 348	\$ 544	-\$11.49	n/a	\$ 2.7	285.5
SignalSoft Corporation	SGSF	\$ 72	\$ 15	3.7	0.8	\$ 57	\$ 20	-\$1.05	n/a	\$ 2.8	25.2
DataMirror Corporation	DMCX	\$ 51	\$ 29	1.3	0.8	\$ 22	\$ 38	-\$0.19	n/a	\$ 4.4	11.6
Novell Inc	NOVL	\$ 1,460	\$ 773	1.4	0.8	\$ 687	\$ 1,010	-\$0.63	n/a	\$ 4.0	362.2
Trintech Group PLC	TTPA	\$ 128	\$ 50	2.0	0.8	\$ 78	\$ 65	-\$0.90	n/a	\$ 2.1	60.8
Onyx Software Corporation	ONXS	\$ 127	\$ 102	1.0	0.8	\$ 25	\$ 128	-\$0.82	n/a	\$ 3.1	41.0
Net4Music Inc.	NMUS	\$ 7	\$ 4	1.5	0.8	\$ 3	\$ 4	-\$0.68	n/a	\$ 0.4	18.5
Intergraph Corp	INGR	\$ 584	\$ 488	1.0	0.8	\$ 96	\$ 575	\$0.39	30.1	\$ 11.7	49.8
Avant Corp	AVNT	\$ 424	\$ 328	1.1	0.9	\$ 96	\$ 385	-\$5.14	n/a	\$ 11.3	37.5

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Kana Software, Inc.	KANA	\$ 141	\$ 89	1.4	0.9	\$ 52	\$ 105	-\$36.69	n/a	\$ 0.8	180.9
Indus International, Inc.	IINT	\$ 214	\$ 152	1.2	0.9	\$ 63	\$ 175	-\$0.76	n/a	\$ 6.1	34.9
CrossWorlds Software	CWLD	\$ 89	\$ 65	1.2	0.9	\$ 25	\$ 74	-\$0.74	n/a	\$ 3.3	26.8
In Focus Corp	INFS	\$ 776	\$ 698	1.0	0.9	\$ 78	\$ 792	\$0.70	28.5	\$ 20.0	38.9
Sapient Corp	SAPE	\$ 597	\$ 361	1.5	0.9	\$ 236	\$ 406	-\$1.24	n/a	\$ 4.8	124.0
SVI Solutions, Inc.	SVI	\$ 28	\$ 26	0.9	0.9	\$ 1	\$ 30	-\$0.94	n/a	\$ 0.7	37.9
Portal Software Inc.	PRSF	\$ 363	\$ 217	1.5	0.9	\$ 146	\$ 242	-\$1.95	n/a	\$ 2.1	173.7
Attunity Ltd.	ATTU	\$ 18	\$ 16	1.0	0.9	\$ 2	\$ 17	-\$2.23	n/a	\$ 1.7	10.7
MSC.Software Corp.	MNS	\$ 284	\$ 188	1.4	0.9	\$ 96	\$ 208	\$0.60	19.3	\$ 11.6	24.6
MatrixOne, Inc.	MONO	\$ 272	\$ 124	2.0	0.9	\$ 148	\$ 137	-\$0.09	n/a	\$ 6.0	45.6
Appiant Technologies Inc.	APPS	\$ 24	\$ 20	1.1	0.9	\$ 4	\$ 22	-\$3.23	n/a	\$ 1.7	14.3
MapInfo Corporation	MAPS	\$ 133	\$ 104	1.2	0.9	\$ 29	\$ 111	\$0.51	17.7	\$ 9.0	14.8
netGuru, Inc.	NGRU	\$ 36	\$ 29	1.2	0.9	\$ 7	\$ 31	-\$0.47	n/a	\$ 2.1	16.9
Interactive Intelligence	ININ	\$ 69	\$ 47	1.4	0.9	\$ 22	\$ 50	-\$0.52	n/a	\$ 4.6	15.1
HealthAxis, Inc.	HAXS	\$ 54	\$ 41	1.2	1.0	\$ 12	\$ 43	-\$6.89	n/a	\$ 1.0	52.9
Motorola Inc	MOT	\$ 37,800	\$ 32,160	1.2	1.0	\$ 5,640	\$ 32,700	-\$1.16	n/a	\$ 17.2	2200.0
ExperTelligence, Inc.	EXGP	\$ 1	\$ 0	2.1	1.0	\$ 0	\$ 0	-\$1.33	n/a	\$ 0.4	2.4
Teknowledge Corp.	TEKC	\$ 20	\$ 17	1.1	1.0	\$ 2	\$ 18	\$0.13	26.5	\$ 3.5	5.7
Lucent	LU	\$ 23,700	\$ 21,310	1.1	1.0	\$ 2,390	\$ 21,300	-\$4.17	n/a	\$ 7.0	3410.0
Keane, Inc.	KEA	\$ 997	\$ 812	1.2	1.0	\$ 185	\$ 806	\$0.28	52.5	\$ 14.7	67.8
Semotus Solutions, Inc.	DLK	\$ 14	\$ 7	2.0	1.0	\$ 7	\$ 7	-\$0.84	n/a	\$ 0.8	16.9
Canon Inc Adr	CAJ	\$ 27,400	\$ 23,290	1.2	1.0	\$ 4,110	\$ 22,600	\$1.23	25.5	\$ 31.3	875.6
Hummingbird Ltd.	HUMC	\$ 308	\$ 215	1.5	1.0	\$ 94	\$ 208	\$0.19	88.6	\$ 16.8	18.3
Bottomline Tech.	EPAY	\$ 97	\$ 82	1.2	1.0	\$ 15	\$ 79	-\$3.26	n/a	\$ 7.0	13.8
Virage, Inc.	VRGE	\$ 54	\$ 17	3.4	1.1	\$ 37	\$ 16	-\$1.38	n/a	\$ 2.6	20.4
Akamai	AKAM	\$ 414	\$ 174	2.5	1.1	\$ 240	\$ 163	-\$27.10	n/a	\$ 3.6	115.3
Click Commerce, Inc.	CKCM	\$ 98	\$ 55	1.9	1.1	\$ 44	\$ 50	-\$0.22	n/a	\$ 2.5	39.3
Micros Systems, Inc.	MCRS	\$ 362	\$ 362	1.1	1.1	\$ -	\$ 335	\$0.06	345.0	\$ 20.7	17.5
Tangram Enterprise	TESI	\$ 18	\$ 17	1.1	1.1	\$ 0	\$ 16	-\$0.07	n/a	\$ 0.9	19.4
Infogrames, Inc.	IFGM	\$ 350	\$ 344	1.1	1.1	\$ 6	\$ 311	-\$1.98	n/a	\$ 5.0	69.5
TekInsight.Com, Inc	TEKS	\$ 51	\$ 50	1.1	1.1	\$ 1	\$ 45	-\$0.62	n/a	\$ 2.4	21.7
Earthlink	ELNK	\$ 1,940	\$ 1,340	1.6	1.1	\$ 600	\$ 1,200	-\$3.08	n/a	\$ 14.8	131.4
Tektronix Inc	TEK	\$ 1,850	\$ 1,309	1.6	1.1	\$ 541	\$ 1,170	\$1.26	16.0	\$ 20.1	92.0
VASCO Data Security Int'l	VDSI	\$ 35	\$ 35	1.1	1.1	\$ -	\$ 31	-\$0.26	n/a	\$ 1.2	28.3
Pegasystems Inc.	PEGA	\$ 125	\$ 98	1.4	1.1	\$ 26	\$ 88	\$0.04	95.3	\$ 3.8	32.7
FileNET Corporation	FILE	\$ 563	\$ 402	1.6	1.1	\$ 161	\$ 358	-\$0.12	n/a	\$ 15.9	35.4
3DO Company	THDO	\$ 94	\$ 86	1.2	1.1	\$ 8	\$ 76	-\$1.11	n/a	\$ 2.0	47.7
Take-Two Interactive Sft.	TTWO	\$ 506	\$ 488	1.2	1.1	\$ 18	\$ 432	\$0.34	40.6	\$ 13.8	36.6

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Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
MRO Software Inc.	MROI	\$ 244	\$ 202	1.4	1.1	\$ 41	\$ 178	-\$0.73	n/a	\$ 11.0	22.2
Sagent	SGNT	\$ 69	\$ 57	1.4	1.1	\$ 12	\$ 50	-\$1.28	n/a	\$ 1.5	45.9
Versant Corporation	VSNT	\$ 37	\$ 33	1.3	1.1	\$ 4	\$ 29	-\$0.35	n/a	\$ 3.1	12.0
Cirrus Logic	CRUS	\$ 934	\$ 763	1.4	1.1	\$ 171	\$ 665	-\$0.20	n/a	\$ 12.7	73.8
Saba Software, Inc.	SABA	\$ 97	\$ 66	1.7	1.2	\$ 31	\$ 58	-\$1.28	n/a	\$ 2.0	47.6
Electronics For Imaging	EFII	\$ 1,070	\$ 632	2.0	1.2	\$ 438	\$ 544	\$0.33	60.5	\$ 20.0	53.6
PracticeWorks, Inc.	PRW	\$ 66	\$ 63	1.2	1.2	\$ 3	\$ 53	-\$4.39	n/a	\$ 7.3	9.1
Transaction Systems Arch.	TSAI	\$ 401	\$ 369	1.3	1.2	\$ 32	\$ 307	-\$1.14	n/a	\$ 10.9	36.7
3D Systems Corporation	TDSC	\$ 148	\$ 140	1.3	1.2	\$ 9	\$ 116	\$0.28	42.4	\$ 11.9	12.5
Timberline Software	TMBS	\$ 76	\$ 68	1.3	1.2	\$ 8	\$ 56	\$0.18	36.2	\$ 6.5	11.7
Sybase, Inc.	SY	\$ 1,430	\$ 1,149	1.5	1.2	\$ 281	\$ 950	\$0.06	241.3	\$ 14.5	98.6
Aspen Technology, Inc.	AZPN	\$ 424	\$ 369	1.4	1.2	\$ 56	\$ 302	-\$1.00	n/a	\$ 13.4	31.8
Allscripts Healthcare So.	MDRX	\$ 133	\$ 86	1.9	1.2	\$ 47	\$ 71	-\$11.34	n/a	\$ 3.5	38.0
ILOG S.A.	ILOG	\$ 126	\$ 104	1.5	1.2	\$ 22	\$ 84	\$0.14	58.7	\$ 8.2	15.3
Broadvision	BVSN	\$ 607	\$ 418	1.8	1.2	\$ 190	\$ 337	-\$3.06	n/a	\$ 2.2	278.6
I2	ITWO	\$ 2,230	\$ 1,465	1.9	1.3	\$ 765	\$ 1,170	-\$19.03	n/a	\$ 5.3	420.4
Entrust, Inc.	ENTU	\$ 343	\$ 173	2.5	1.3	\$ 170	\$ 137	-\$8.96	n/a	\$ 5.4	63.4
Smith Micro Software	SMSI	\$ 20	\$ 14	1.8	1.3	\$ 6	\$ 11	-\$0.45	n/a	\$ 1.2	16.2
Corillian Corporation	CORI	\$ 89	\$ 71	1.6	1.3	\$ 18	\$ 56	-\$0.98	n/a	\$ 2.6	34.6
Acclaim Entertainment	AKLM	\$ 277	\$ 251	1.4	1.3	\$ 27	\$ 198	\$0.22	19.6	\$ 4.3	64.3
QueryObject Systems Corp.	OBJ	\$ 3	\$ 2	1.5	1.3	\$ 0	\$ 2	-\$1.01	n/a	\$ 0.1	22.0
Pumatech, Inc.	PUMA	\$ 100	\$ 51	2.6	1.3	\$ 49	\$ 39	-\$0.95	n/a	\$ 2.2	44.6
Moldflow Corporation	MFLO	\$ 98	\$ 52	2.5	1.3	\$ 46	\$ 39	\$0.30	32.3	\$ 9.7	10.1
Chordiant Software, Inc.	CHRD	\$ 141	\$ 84	2.2	1.3	\$ 56	\$ 64	-\$0.86	n/a	\$ 2.7	52.7
EntrePort Corp.	ENP	\$ 1	\$ 1	1.7	1.4	\$ 0	\$ 1	-\$0.47	n/a	\$ 0.1	18.5
Eidos plc	EIDSY	\$ 327	\$ 287	1.6	1.4	\$ 41	\$ 206	-\$1.33	n/a	\$ 3.2	103.9
Lexmark Intl Inc A	LXK	\$ 5,780	\$ 5,720	1.4	1.4	\$ 60	\$ 4,090	\$2.19	20.4	\$ 44.7	129.3
CEYONIQ AG	CCEQ	\$ 78	\$ 77	1.4	1.4	\$ 0	\$ 55	\$0.13	31.1	\$ 4.0	19.3
WebMethods	WEBM	\$ 478	\$ 307	2.2	1.4	\$ 171	\$ 217	-\$2.32	n/a	\$ 9.7	49.4
Infospace.com	INSP	\$ 507	\$ 279	2.6	1.4	\$ 228	\$ 196	-\$1.54	n/a	\$ 1.7	303.6
Electronic Data Systems	EDS	\$ 30,300	\$ 29,763	1.5	1.4	\$ 537	\$ 20,800	\$2.72	23.7	\$ 64.4	471.0
Diebold Inc	DBD	\$ 2,600	\$ 2,600	1.5	1.5	\$ -	\$ 1,730	\$1.18	30.8	\$ 36.4	71.6
Actuate Corporation	ACTU	\$ 231	\$ 197	1.8	1.5	\$ 34	\$ 131	-\$0.02	n/a	\$ 3.9	60.0
Roxio, Inc.	ROXI	\$ 249	\$ 199	1.9	1.5	\$ 51	\$ 131	\$0.04	371.5	\$ 14.9	16.8
Phoenix	PTEC	\$ 253	\$ 188	2.1	1.6	\$ 65	\$ 121	-\$0.72	n/a	\$ 10.1	25.2
IONA Technologies PLC	IONA	\$ 344	\$ 283	1.9	1.6	\$ 61	\$ 182	-\$0.77	n/a	\$ 13.0	26.5
Amer Power Conversion	APCC	\$ 2,670	\$ 2,343	1.8	1.6	\$ 328	\$ 1,490	\$0.62	22.0	\$ 13.7	195.4
Sabre Holdings Corp	TSG	\$ 3,670	\$ 3,670	1.6	1.6	\$ -	\$ 2,320	-\$0.06	n/a	\$ 27.4	134.0

## All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
ScanSoft, Inc.	SSFT	\$ 103	\$ 94	1.7	1.6	\$ 9	\$ 59	-\$0.43	n/a	\$ 2.0	50.9
Progress Software	PRGS	\$ 586	\$ 412	2.3	1.6	\$ 174	\$ 259	\$0.54	30.5	\$ 16.5	35.5
Intershop Communications	ISHP	\$ 196	\$ 153	2.0	1.6	\$ 43	\$ 96	-\$0.54	n/a	\$ 1.1	176.4
Ariba	ARBA	\$ 916	\$ 655	2.2	1.6	\$ 261	\$ 409	-\$11.07	n/a	\$ 3.5	258.6
Tumbleweed Communications	TMWD	\$ 89	\$ 46	3.2	1.7	\$ 43	\$ 28	-\$4.48	n/a	\$ 3.0	30.3
SPSS Inc.	SPSS	\$ 260	\$ 248	1.8	1.7	\$ 13	\$ 146	-\$0.96	n/a	\$ 18.9	13.8
Dendrite International	DRTE	\$ 441	\$ 376	2.0	1.7	\$ 65	\$ 221	-\$0.18	n/a	\$ 11.2	39.4
Eclipsys Corporation	ECLP	\$ 558	\$ 394	2.4	1.7	\$ 164	\$ 230	-\$0.11	n/a	\$ 12.7	43.9
Concord Communications	CCRD	\$ 221	\$ 157	2.4	1.7	\$ 64	\$ 91	-\$0.51	n/a	\$ 13.3	16.7
CNET	CNET	\$ 748	\$ 561	2.3	1.7	\$ 187	\$ 327	-\$16.98	n/a	\$ 5.4	137.7
OTG Software, Inc.	OTGS	\$ 197	\$ 104	3.3	1.7	\$ 93	\$ 60	-\$0.06	n/a	\$ 6.0	33.0
eCollege.com	ECLG	\$ 48	\$ 32	2.7	1.7	\$ 17	\$ 18	-\$1.06	n/a	\$ 3.0	16.2
Activision	ATVI	\$ 1,260	\$ 1,138	2.0	1.8	\$ 122	\$ 641	\$0.79	48.0	\$ 37.9	33.2
SeeBeyond Technology Corp	SBYN	\$ 355	\$ 328	1.9	1.8	\$ 27	\$ 185	-\$0.36	n/a	\$ 4.9	71.8
Autodesk Inc	ADSK	\$ 1,960	\$ 1,685	2.1	1.8	\$ 275	\$ 949	\$1.67	21.7	\$ 36.2	54.1
FOCUS Enhancements, Inc.	FCSE	\$ 35	\$ 34	1.9	1.8	\$ 1	\$ 19	-\$0.48	n/a	\$ 1.1	32.5
HNC Software Inc.	HNCS	\$ 651	\$ 416	2.9	1.8	\$ 234	\$ 227	-\$1.00	n/a	\$ 18.5	35.3
Mentor Graphics Corp.	MENT	\$ 1,330	\$ 1,181	2.1	1.9	\$ 150	\$ 628	\$1.00	20.6	\$ 20.6	64.6
JDA Software Group, Inc.	JDAS	\$ 415	\$ 357	2.2	1.9	\$ 57	\$ 189	\$0.29	57.6	\$ 16.7	24.8
Vitria Technology, Inc.	VITR	\$ 435	\$ 266	3.1	1.9	\$ 170	\$ 141	-\$0.30	n/a	\$ 3.4	129.6
Dell Computer Corp	DELL	\$ 66,600	\$ 62,030	2.0	1.9	\$ 4,570	\$ 32,600	\$0.53	48.1	\$ 25.5	2610.0
WatchGuard Technologies	WGRD	\$ 253	\$ 138	3.5	1.9	\$ 115	\$ 72	-\$1.55	n/a	\$ 9.4	27.0
Parametric Technology	PMTC	\$ 2,060	\$ 1,811	2.2	1.9	\$ 249	\$ 935	-\$0.04	n/a	\$ 7.9	262.5
Sun Micro	SUNW	\$ 33,700	\$ 31,760	2.1	2.0	\$ 1,940	\$ 16,100	\$0.08	130.0	\$ 10.4	3240.0
Ceridian Corp	CEN	\$ 2,450	\$ 2,358	2.1	2.0	\$ 92	\$ 1,180	\$0.41	40.9	\$ 16.8	146.1
ValiCert, Inc.	VLCT	\$ 66	\$ 44	3.0	2.0	\$ 22	\$ 22	-\$1.46	n/a	\$ 2.9	22.9
iManage, Inc.	IMAN	\$ 107	\$ 73	3.0	2.0	\$ 34	\$ 36	-\$0.94	n/a	\$ 4.6	23.5
Compuware	CPWR	\$ 4,070	\$ 3,850	2.2	2.0	\$ 220	\$ 1,880	\$0.38	28.9	\$ 11.0	371.2
Security First Technologies	SONE	\$ 661	\$ 521	2.6	2.1	\$ 141	\$ 254	-\$19.23	n/a	\$ 11.2	59.2
Verity	VRTY	\$ 399	\$ 278	3.0	2.1	\$ 122	\$ 134	\$0.66	17.1	\$ 11.3	35.4
Rsa Security Inc	RSAS	\$ 684	\$ 619	2.3	2.1	\$ 65	\$ 298	\$1.79	6.8	\$ 12.2	56.2
Atmel Corp	ATML	\$ 4,310	\$ 3,669	2.4	2.1	\$ 641	\$ 1,760	-\$0.66	n/a	\$ 9.3	464.5
Affil. Comp. Services	ACS	\$ 4,720	\$ 4,686	2.1	2.1	\$ 34	\$ 2,240	\$2.66	34.8	\$ 92.7	50.9
Information Architects	IARC	\$ 16	\$ 9	4.0	2.1	\$ 8	\$ 4	-\$0.37	n/a	\$ 0.5	32.0
Sanchez Computer Associat	SCAI	\$ 228	\$ 186	2.6	2.1	\$ 43	\$ 88	\$0.14	62.8	\$ 8.8	26.0
IBM	IBM	\$ 193,000	\$ 188,990	2.2	2.1	\$ 4,010	\$ 88,700	\$4.50	24.7	\$ 111.2	1740.0
Agile Software	AGIL	\$ 499	\$ 208	5.3	2.2	\$ 291	\$ 95	-\$2.49	n/a	\$ 10.5	47.8
Nuance Communications	NUAN	\$ 289	\$ 105	6.1	2.2	\$ 184	\$ 48	-\$3.07	n/a	\$ 8.8	32.8

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Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Centra Software, Inc.	CTRA	\$ 126	\$ 79	3.5	2.2	\$ 47	\$ 36	-\$0.73	n/a	\$ 5.0	25.1
Vignette Corporation	VIGN	\$ 1,220	\$ 818	3.3	2.2	\$ 402	\$ 368	-\$2.94	n/a	\$ 4.9	247.0
BORLAND	BORL	\$ 767	\$ 486	3.6	2.3	\$ 281	\$ 213	\$0.34	35.6	\$ 12.1	63.4
Support.com, Inc.	SPRT	\$ 99	\$ 69	3.3	2.3	\$ 30	\$ 30	-\$1.06	n/a	\$ 3.0	33.4
Witness Systems, Inc.	WITS	\$ 185	\$ 129	3.3	2.3	\$ 57	\$ 55	-\$0.24	n/a	\$ 8.3	22.4
Checkfree Corp	CKFR	\$ 1,250	\$ 1,067	2.7	2.3	\$ 183	\$ 459	-\$4.54	n/a	\$ 14.4	87.2
Kronos, Inc.	KRON	\$ 739	\$ 689	2.5	2.4	\$ 50	\$ 293	\$1.27	45.8	\$ 58.2	12.7
Research in Motion	RIMM	\$ 1,400	\$ 727	4.5	2.4	\$ 673	\$ 309	-\$0.24	n/a	\$ 17.9	78.5
Macromedia, Inc.	MACR	\$ 1,030	\$ 870	2.8	2.4	\$ 160	\$ 368	-\$3.35	n/a	\$ 17.8	57.9
Precis, Inc.	PCIS	\$ 40	\$ 35	2.7	2.4	\$ 5	\$ 15	\$0.14	41.0	\$ 5.7	6.9
Rational Software Corp.	RATL	\$ 2,910	\$ 1,980	3.7	2.5	\$ 930	\$ 797	-\$0.08	n/a	\$ 14.4	201.7
Ulticom, Inc.	ULCM	\$ 372	\$ 157	5.9	2.5	\$ 216	\$ 63	\$0.34	26.6	\$ 9.1	41.1
Cognos	COGN	\$ 1,500	\$ 1,242	3.0	2.5	\$ 258	\$ 493	\$0.34	50.0	\$ 17.0	88.0
Satyam Computer	SAY	\$ 1,090	\$ 888	3.1	2.6	\$ 202	\$ 348	-\$0.07	n/a	\$ 7.0	154.9
Mitek Systems Inc.	MITK	\$ 19	\$ 18	2.7	2.6	\$ 1	\$ 7	-\$0.26	n/a	\$ 1.7	11.1
Descartes Systems Group	DSGX	\$ 302	\$ 214	3.7	2.6	\$ 88	\$ 82	-\$0.72	n/a	\$ 5.8	52.1
Legato Systems, Inc.	LGTO	\$ 790	\$ 636	3.3	2.7	\$ 153	\$ 239	-\$0.54	n/a	\$ 8.8	89.4
OpenTV Corp.	OPTV	\$ 495	\$ 248	5.4	2.7	\$ 247	\$ 93	-\$7.44	n/a	\$ 7.5	66.0
Lsi Logic	LSI	\$ 6,480	\$ 5,705	3.0	2.7	\$ 775	\$ 2,130	-\$1.91	n/a	\$ 17.7	366.0
BMC Software, Inc.	BMC	\$ 4,200	\$ 3,861	2.9	2.7	\$ 339	\$ 1,440	-\$0.18	n/a	\$ 17.0	247.2
Documentum	DCTM	\$ 612	\$ 524	3.1	2.7	\$ 88	\$ 195	-\$0.87	n/a	\$ 16.2	37.8
Wind River Systems, Inc.	WIND	\$ 1,240	\$ 1,180	2.8	2.7	\$ 60	\$ 436	-\$4.32	n/a	\$ 16.0	77.7
Informatica Corporation	INFA	\$ 691	\$ 542	3.5	2.7	\$ 150	\$ 199	-\$0.50	n/a	\$ 8.9	78.1
Raining Data Corporation	RDTA	\$ 46	\$ 44	2.9	2.8	\$ 2	\$ 16	-\$0.77	n/a	\$ 2.9	16.0
Retalix Limited	RTLX	\$ 166	\$ 141	3.3	2.8	\$ 25	\$ 50	\$0.16	91.8	\$ 14.7	11.3
Interwoven	IWOV	\$ 832	\$ 607	3.9	2.8	\$ 224	\$ 213	-\$1.23	n/a	\$ 8.0	103.6
Insignia Solutions plc	INSG	\$ 30	\$ 30	2.9	2.9	\$ -	\$ 11	-\$0.51	n/a	\$ 1.6	19.5
Micromuse, Inc.	MUSE	\$ 768	\$ 613	3.6	2.9	\$ 155	\$ 213	\$0.27	38.7	\$ 10.5	73.5
Openwave Systems, Inc.	OPWV	\$ 1,700	\$ 1,352	3.7	2.9	\$ 349	\$ 465	-\$4.17	n/a	\$ 10.0	170.1
Activeworlds Corp	AWLD	\$ 6	\$ 3	5.4	2.9	\$ 3	\$ 1	-\$0.17	n/a	\$ 0.7	8.6
Network Associates, Inc.	NETA	\$ 2,810	\$ 1,853	4.4	2.9	\$ 957	\$ 634	-\$1.76	n/a	\$ 20.4	137.4
Cognizant Technology Sol.	CTSH	\$ 594	\$ 514	3.4	2.9	\$ 80	\$ 175	\$1.13	27.5	\$ 31.1	19.1
THQ Incorporated	THQI	\$ 1,140	\$ 1,099	3.1	2.9	\$ 41	\$ 374	\$1.31	39.9	\$ 52.3	21.9
Open Text Corporation	OTEX	\$ 537	\$ 453	3.5	3.0	\$ 84	\$ 153	\$0.49	55.0	\$ 26.9	19.9
Novadigm	NVDM	\$ 199	\$ 177	3.3	3.0	\$ 22	\$ 60	-\$0.21	n/a	\$ 10.0	19.9
Inktomi Corporation	INKT	\$ 687	\$ 602	3.5	3.0	\$ 85	\$ 199	-\$2.35	n/a	\$ 5.3	129.1
TTI Team Telecom Intl.	TTIL	\$ 185	\$ 140	4.0	3.0	\$ 45	\$ 46	\$0.93	17.5	\$ 16.3	11.4
ANSYS, Inc.	ANSS	\$ 306	\$ 258	3.6	3.1	\$ 48	\$ 84	\$0.83	25.3	\$ 21.0	14.5

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Triplos, Inc.	TRPS	\$ 143	\$ 143	3.2	3.2	\$ -	\$ 45	\$0.68	28.3	\$ 19.3	7.4
OPNET Technologies, Inc.	OPNT	\$ 180	\$ 120	4.8	3.2	\$ 61	\$ 38	\$0.20	47.5	\$ 9.5	19.0
Bitstream Inc.	BITS	\$ 32	\$ 25	4.0	3.2	\$ 7	\$ 8	-\$0.47	n/a	\$ 3.9	8.2
Micron Technology	MU	\$ 14,400	\$ 12,720	3.7	3.2	\$ 1,680	\$ 3,940	-\$0.89	n/a	\$ 24.0	599.3
SmartForce plc	SMTF	\$ 944	\$ 821	3.7	3.2	\$ 123	\$ 253	\$0.02	847.0	\$ 16.9	55.7
Internet Commerce Corp.	ICCA	\$ 29	\$ 24	3.8	3.3	\$ 4	\$ 7	-\$3.02	n/a	\$ 3.0	9.7
Siebel Systems	SEBL	\$ 8,660	\$ 7,110	4.0	3.3	\$ 1,550	\$ 2,150	\$0.46	40.7	\$ 18.7	462.0
Simplex Solutions, Inc.	SPLX	\$ 211	\$ 160	4.4	3.3	\$ 51	\$ 48	-\$1.68	n/a	\$ 14.0	15.0
Netegrity, Inc.	NETE	\$ 412	\$ 306	4.6	3.4	\$ 106	\$ 89	\$0.20	66.0	\$ 13.2	31.2
Cryptologic, Inc.	CRYP	\$ 196	\$ 154	4.4	3.4	\$ 42	\$ 45	\$1.22	12.0	\$ 14.7	13.3
Artisoft, Inc.	ASFT	\$ 31	\$ 23	4.6	3.5	\$ 8	\$ 7	-\$0.94	n/a	\$ 2.0	15.7
Tibco Software, Inc.	TIBX	\$ 1,810	\$ 1,169	5.5	3.5	\$ 642	\$ 330	-\$0.14	n/a	\$ 9.1	198.8
Vital Images, Inc.	VTAL	\$ 49	\$ 49	3.6	3.6	\$ -	\$ 14	-\$0.27	n/a	\$ 6.8	7.2
RealNetworks, Inc.	RNWK	\$ 1,070	\$ 722	5.3	3.6	\$ 348	\$ 202	-\$0.61	n/a	\$ 6.6	161.4
Barra, Inc.	BARZ	\$ 971	\$ 701	5.0	3.6	\$ 270	\$ 195	\$1.79	25.9	\$ 46.4	20.9
Synplicity, Inc.	SYNP	\$ 224	\$ 175	4.6	3.6	\$ 49	\$ 49	\$0.06	150.8	\$ 9.1	24.7
SSP Solutions, Inc.	SSPX	\$ 134	\$ 132	3.7	3.6	\$ 2	\$ 36	-\$4.05	n/a	\$ 6.5	20.6
SpeechWorks International	SPWX	\$ 238	\$ 155	5.6	3.6	\$ 83	\$ 43	-\$1.38	n/a	\$ 7.4	32.1
Cadence Design Sys	CDN	\$ 5,460	\$ 5,284	3.8	3.7	\$ 176	\$ 1,440	\$0.55	40.0	\$ 22.0	248.5
Amdocs Limited	DOX	\$ 6,330	\$ 5,290	4.4	3.7	\$ 1,040	\$ 1,430	\$0.26	109.4	\$ 28.5	222.5
Midway Games Inc.	MWY	\$ 608	\$ 554	4.1	3.7	\$ 54	\$ 149	-\$1.78	n/a	\$ 16.1	37.8
Business Objects Ads	BOBJ	\$ 1,770	\$ 1,541	4.4	3.8	\$ 229	\$ 405	\$0.73	39.6	\$ 28.9	61.4
Fiserv Inc	FISV	\$ 7,120	\$ 7,027	3.9	3.8	\$ 93	\$ 1,830	\$1.04	36.6	\$ 38.0	187.2
Verisity Ltd.	VRST	\$ 187	\$ 135	5.4	3.9	\$ 52	\$ 35	\$0.15	66.7	\$ 10.0	18.7
Peoplesoft	PSFT	\$ 9,350	\$ 7,930	4.6	3.9	\$ 1,420	\$ 2,040	\$0.56	55.2	\$ 30.9	302.5
Lattice Semiconductor	LSCC	\$ 2,110	\$ 1,570	5.4	4.0	\$ 540	\$ 394	-\$0.68	n/a	\$ 19.4	108.8
Symantec Corporation	SYMC	\$ 4,230	\$ 3,759	4.5	4.0	\$ 471	\$ 940	\$0.11	522.6	\$ 57.5	73.5
Caminus Corporation	CAMZ	\$ 305	\$ 266	4.6	4.0	\$ 39	\$ 66	-\$0.27	n/a	\$ 19.2	15.9
Synopsys	SNPS	\$ 2,930	\$ 2,621	4.7	4.2	\$ 309	\$ 630	\$0.21	235.2	\$ 49.4	59.3
ImageWare Systems, Inc.	IW	\$ 45	\$ 44	4.3	4.2	\$ 1	\$ 11	-\$1.41	n/a	\$ 8.1	5.6
Peregrine Systems, Inc.	PRGN	\$ 3,140	\$ 2,848	4.7	4.2	\$ 292	\$ 675	-\$8.22	n/a	\$ 16.5	190.8
Ansoft Corporation	ANST	\$ 202	\$ 198	4.4	4.3	\$ 4	\$ 46	-\$0.10	n/a	\$ 16.7	12.1
General Magic, Inc.	GMGC	\$ 38	\$ 28	5.8	4.3	\$ 10	\$ 6	-\$0.44	n/a	\$ 0.5	70.9
Momentum Business Applic.	MMTM	\$ 85	\$ 29	12.8	4.3	\$ 56	\$ 7	-\$25.17	n/a	\$ 18.1	4.7
America Online	AOL	\$ 148,500	\$ 147,000	4.5	4.4	\$ 1,500	\$ 33,300	-\$0.38	n/a	\$ 33.5	4430.0
BEA Systems	BEAS	\$ 5,750	\$ 4,785	5.8	4.8	\$ 965	\$ 1,000	\$0.17	85.0	\$ 14.5	397.6
Analog Devices	ADI	\$ 15,400	\$ 12,730	5.8	4.8	\$ 2,670	\$ 2,660	\$1.39	30.6	\$ 42.5	361.8
Pmc-sierra Inc	PMCS	\$ 2,950	\$ 2,430	5.8	4.8	\$ 520	\$ 507	-\$1.80	n/a	\$ 18.0	164.5

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Mercury Interactive Corp.	MERQ	\$ 2,240	\$ 1,817	6.1	4.9	\$ 423	\$ 368	\$0.47	57.1	\$ 26.9	83.2
ISS Group	ISSX	\$ 1,280	\$ 1,134	5.7	5.0	\$ 146	\$ 225	\$0.03	896.7	\$ 26.9	47.7
SAP AG	SAP	\$ 33,000	\$ 32,278	5.1	5.0	\$ 722	\$ 6,410	\$0.44	59.6	\$ 26.2	1260.0
NetIQ Corporation	NTIQ	\$ 1,490	\$ 999	7.6	5.1	\$ 491	\$ 197	-\$12.84	n/a	\$ 27.8	53.6
Manhattan Associates	MANH	\$ 843	\$ 749	5.7	5.1	\$ 94	\$ 147	\$0.56	55.1	\$ 30.9	27.3
SERENA Software, Inc.	SRNA	\$ 678	\$ 553	6.3	5.1	\$ 125	\$ 108	\$0.56	30.1	\$ 16.9	40.2
Cisco	CSCO	\$ 126,800	\$ 119,890	5.7	5.4	\$ 6,910	\$ 22,300	-\$0.15	n/a	\$ 17.3	7330.0
Electronic Arts Inc.	ERTS	\$ 7,800	\$ 7,388	5.7	5.4	\$ 413	\$ 1,370	-\$0.07	n/a	\$ 54.6	142.9
Digital River, Inc.	DRIV	\$ 296	\$ 270	5.9	5.4	\$ 25	\$ 50	-\$0.91	n/a	\$ 12.1	24.5
Adobe	ADBE	\$ 7,750	\$ 7,174	5.9	5.4	\$ 576	\$ 1,320	\$0.99	33.0	\$ 32.7	237.2
SeaChange International	SEAC	\$ 598	\$ 589	5.5	5.5	\$ 9	\$ 108	-\$0.04	n/a	\$ 26.1	22.9
Intuit, Inc.	INTU	\$ 8,660	\$ 7,010	6.9	5.6	\$ 1,650	\$ 1,260	-\$0.47	n/a	\$ 41.0	211.2
Retek Inc.	RETK	\$ 1,000	\$ 925	6.2	5.8	\$ 75	\$ 160	-\$0.44	n/a	\$ 19.8	50.7
Intel Corp	INTC	\$ 174,000	\$ 164,840	6.1	5.8	\$ 9,160	\$ 28,300	\$0.43	60.1	\$ 25.9	6730.0
Quest Software, Inc.	QSFT	\$ 1,510	\$ 1,434	6.2	5.9	\$ 76	\$ 242	-\$0.54	n/a	\$ 17.2	87.8
Yahoo!	YHOO	\$ 6,910	\$ 5,200	8.2	6.2	\$ 1,710	\$ 839	-\$0.32	n/a	\$ 12.1	572.9
Computer Associates Int'l	CA	\$ 19,100	\$ 18,557	6.5	6.3	\$ 543	\$ 2,960	-\$2.40	n/a	\$ 33.0	577.1
Oracle Corporation	ORCL	\$ 75,500	\$ 69,450	7.0	6.4	\$ 6,050	\$ 10,800	\$0.44	30.9	\$ 13.6	5560.0
Embarcadero Technologies	EMBT	\$ 381	\$ 341	7.3	6.5	\$ 41	\$ 53	-\$0.29	n/a	\$ 14.1	27.1
Advent Software, Inc.	ADVS	\$ 1,350	\$ 1,057	8.5	6.7	\$ 293	\$ 158	\$0.81	53.1	\$ 43.0	31.5
Rambus Inc	RMBS	\$ 915	\$ 785	7.8	6.7	\$ 130	\$ 117	\$0.29	31.7	\$ 9.2	99.6
Red Hat, Inc.	RHAT	\$ 830	\$ 703	8.1	6.8	\$ 127	\$ 103	-\$0.77	n/a	\$ 4.9	170.1
Network-1 Security Sol.	NSSI	\$ 12	\$ 9	8.8	6.9	\$ 3	\$ 1	-\$0.98	n/a	\$ 1.9	6.5
Altera Corp	ALTR	\$ 8,430	\$ 7,679	8.1	7.4	\$ 751	\$ 1,040	\$0.48	45.5	\$ 21.9	386.0
Digimarc Corporation	DMRC	\$ 233	\$ 107	16.2	7.4	\$ 126	\$ 14	-\$0.92	n/a	\$ 13.8	16.8
Vastera, Inc.	VAST	\$ 484	\$ 408	8.8	7.4	\$ 76	\$ 55	-\$1.34	n/a	\$ 12.7	38.0
Wipro Ltd.	WIT	\$ 5,430	\$ 5,242	7.9	7.6	\$ 188	\$ 690	\$0.71	33.1	\$ 23.5	231.1
Veritas Software Corp.	VRTS	\$ 12,700	\$ 11,380	8.5	7.6	\$ 1,320	\$ 1,490	-\$1.44	n/a	\$ 31.7	399.8
ActivCard S.A.	ACTI	\$ 509	\$ 212	19.1	7.9	\$ 297	\$ 27	\$0.14	91.1	\$ 12.8	39.9
Renaissance Learning Inc.	RLRN	\$ 1,130	\$ 1,032	8.9	8.1	\$ 98	\$ 127	\$0.83	39.4	\$ 32.7	34.6
Citrix Systems	CTXS	\$ 4,810	\$ 4,594	8.6	8.2	\$ 216	\$ 557	\$0.51	50.4	\$ 25.7	187.1
Broadcom	BRCM	\$ 9,670	\$ 9,150	9.0	8.5	\$ 520	\$ 1,080	-\$12.78	n/a	\$ 37.1	261.1
Princeton Video Image	PVII	\$ 43	\$ 40	9.2	8.6	\$ 3	\$ 5	-\$1.09	n/a	\$ 2.6	16.5
Echelon Corporation	ELON	\$ 622	\$ 501	10.8	8.7	\$ 122	\$ 58	\$0.05	321.4	\$ 16.1	38.7
Genomica Corp.	GNOM	\$ 73	\$ 16	41.1	8.8	\$ 58	\$ 2	-\$6.40	n/a	\$ 3.2	23.0
Verisign	VRSN	\$ 8,690	\$ 7,975	9.7	8.9	\$ 715	\$ 897	-\$70.94	n/a	\$ 42.8	202.9
EPIQ Systems, Inc.	EPIQ	\$ 286	\$ 252	10.1	8.9	\$ 34	\$ 28	\$0.48	62.6	\$ 30.1	9.5
Secure Computing Corp.	SCUR	\$ 459	\$ 444	9.3	9.0	\$ 15	\$ 50	-\$0.41	n/a	\$ 16.3	28.2

## All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Maxim Integrated Prod	MXIM	\$ 16,200	\$ 14,980	10.3	9.5	\$ 1,220	\$ 1,580	\$1.04	46.9	\$ 48.8	331.4
Integrated Business Sys.	IBSS	\$ 35	\$ 34	10.4	10.4	\$ 0	\$ 3	-\$0.40	n/a	\$ 2.1	16.8
Microsoft Corp	MSFT	\$ 336,000	\$ 299,800	13.1	11.7	\$ 36,200	\$ 25,700	\$1.16	53.6	\$ 62.2	5400.0
Microsoft Corporation	MSFT	\$ 336,000	\$ 299,800	13.1	11.7	\$ 36,200	\$ 25,700	\$1.16	53.6	\$ 62.2	5400.0
CheckPoint Software	CHKP	\$ 7,380	\$ 6,436	13.5	11.8	\$ 944	\$ 546	\$1.25	25.6	\$ 32.1	230.3
HPL Technologies	HPLA	\$ 316	\$ 248	15.2	12.0	\$ 68	\$ 21	\$0.11	113.7	\$ 12.5	25.2
One Voice Technologies	ONEV	\$ 4	\$ 2	22.3	12.3	\$ 2	\$ 0	-\$0.78	n/a	\$ 0.3	14.6
Ashton Technology Group	ASTN	\$ 9	\$ 5	22.4	12.4	\$ 4	\$ 0	-\$0.62	n/a	\$ 0.3	33.2
Websense, Inc.	WBSN	\$ 478	\$ 384	15.7	12.6	\$ 94	\$ 30	\$0.02	1193.0	\$ 23.9	20.0
Linear Technology Corp	LLTC	\$ 13,000	\$ 11,550	15.1	13.4	\$ 1,450	\$ 861	\$1.12	36.2	\$ 40.6	319.5
Infosys Technologies Ltd.	INFY	\$ 6,990	\$ 6,841	13.9	13.6	\$ 149	\$ 503	\$1.16	45.6	\$ 52.9	132.3
Liberate Technologies	LBRT	\$ 1,130	\$ 866	18.7	14.3	\$ 264	\$ 60	-\$2.85	n/a	\$ 10.7	105.7
Trend Micro Incorporated	TMIC	\$ 3,130	\$ 2,828	16.4	14.9	\$ 302	\$ 190	\$0.11	215.9	\$ 23.8	131.7
Viewpoint Corporation	VWPT	\$ 168	\$ 145	19.1	16.5	\$ 23	\$ 9	-\$2.05	n/a	\$ 4.3	39.0
Insightful Corporation	IFUL	\$ 31	\$ 24	21.5	16.5	\$ 7	\$ 1	\$0.00	n/a	\$ 2.9	10.8
Riverdeep Interactive	RVDP	\$ 612	\$ 551	18.4	16.6	\$ 61	\$ 33	-\$1.75	n/a	\$ 18.3	33.5
Intelidata Technologies	INTD	\$ 177	\$ 160	18.4	16.7	\$ 17	\$ 10	-\$0.64	n/a	\$ 3.8	46.1
Numerical Technologies	NMTC	\$ 807	\$ 742	18.6	17.1	\$ 65	\$ 43	-\$1.95	n/a	\$ 24.4	33.1
SEDONA Corporation	SDNA	\$ 35	\$ 35	17.4	17.4	\$ 0	\$ 2	-\$0.44	n/a	\$ 0.9	37.7
Voicenet, Inc.	VTC	\$ 1	\$ 1	34.7	17.9	\$ 1	\$ 0	-\$0.33	n/a	\$ 0.2	9.9
VoiceFlash Networks, Inc.	VFNX	\$ 3	\$ 3	22.4	20.1	\$ 0	\$ 0	-\$0.69	n/a	\$ 0.5	7.2
Diversinet Corp.	DVNT	\$ 34	\$ 27	25.4	20.6	\$ 6	\$ 1	-\$0.47	n/a	\$ 1.3	26.4
EBay	EBAY	\$ 15,600	\$ 14,949	23.5	22.5	\$ 651	\$ 663	\$0.32	178.1	\$ 57.0	273.3
Zi Corporation	ZICA	\$ 184	\$ 162	46.2	40.6	\$ 23	\$ 4	-\$0.32	n/a	\$ 5.0	37.0
KFX Inc.	KFX	\$ 77	\$ 77	49.2	49.0	\$ 0	\$ 2	-\$0.50	n/a	\$ 2.9	26.7
Intelli-Check, Inc.	IDN	\$ 119	\$ 116	154.3	150.4	\$ 3	\$ 1	-\$0.50	n/a	\$ 15.2	7.9
LifeF/X, Inc.	LEFX	\$ 13	\$ 10	892.9	696.4	\$ 3	\$ 0	-\$1.03	n/a	\$ 0.4	33.6
Active IQ Technologies	AIQT	\$ 40	\$ 35	N/A	N/A	\$ 5	\$ -	-\$0.25	n/a	\$ 4.0	9.9
CSK Corporation	CSKKY	\$ 2,020	\$ 2,020	N/A	N/A	\$ -	\$ -	-\$2.33	n/a	\$ 27.0	74.7
Datakey, Inc.	DKEY	\$ 42	\$ 39	N/A	N/A	\$ 3	\$ -	-\$0.02	n/a	\$ 4.3	9.9
TTR Technologies, Inc.	TTRE	\$ 30	\$ 24	N/A	N/A	\$ 7	\$ -	-\$0.28	n/a	\$ 1.8	17.4
VitalWorks, Inc.	VWKS	\$ 126	\$ 115	N/A	N/A	\$ 11	\$ -	-\$0.04	n/a	\$ 3.3	38.8