

2. 世界 主要 企業 現況

가. 世界の 情報處理企業 TOP 100個社

(資料: DATAMATION誌)

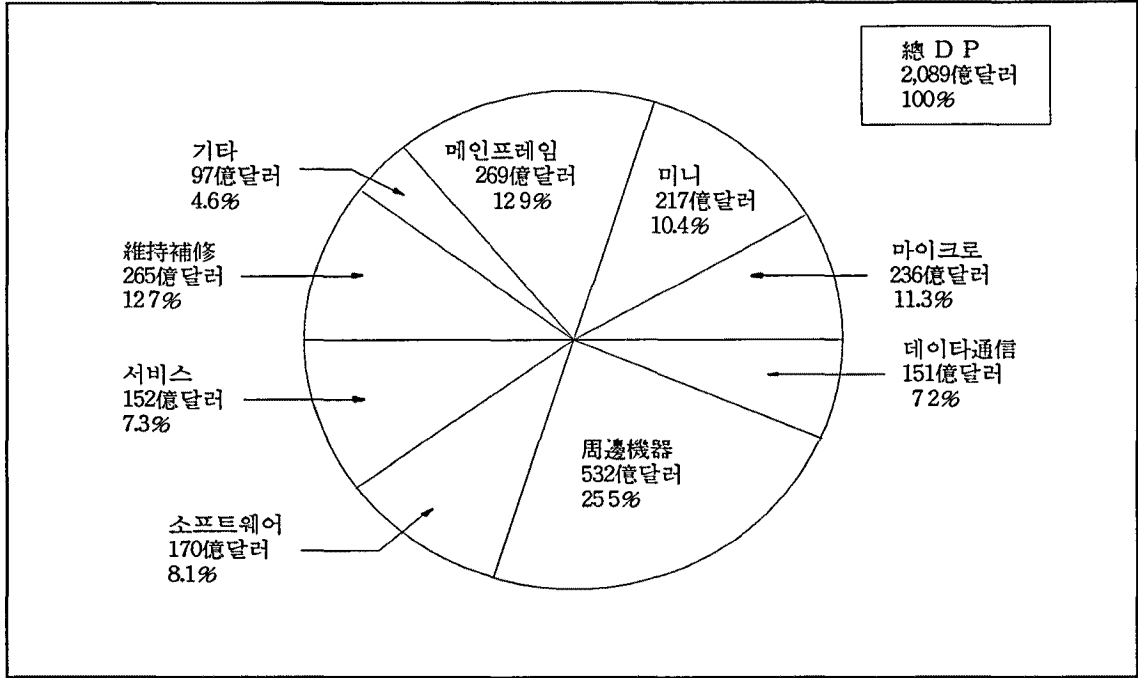
順位		企業量	1987年 總賣出高 (100萬弗)	情報處理關聯賣出高		
1987年	1986年			1987年 (100萬弗)	1986年 (100萬弗)	成長率 (%)
1	1	IBM	54,217.0	50,485.7	47,685.0	5.9
2	2	Digital Equipment Corp	10,391.3	10,391.3	8,414.3	23.5
3	7	Unisys Corp.	9,712.9	8,742.0	8,186.0	6.8
4	3	fujitsu Ltd.	13,103.2	8,740.0	6,575.7	32.9
5	6	NEC Corp.	18,236.8	8,230.5	6,324.6	30.1
6	5	Hitachi Ltd	33,070.6	6,273.7	4,728.8	32.7
7	9	Siemens AG	28,615.7	5,703.0	4,383.3	30.1
8	4	NCR Corp	5,640.7	5,075.7	4,386.6	15.7
9	8	Hewlett-Packard Co	8,090.0	5,000.0	4,500.0	11.1
10	10	Ing C. Olivetti & Co. SpA	5,686.7	4,637.2	3,869.1	19.8
11	12	Toshiba Corp	23,829.0	3,441.4	2,605.0	32.1
12	13	Wang Laboratories Inc.	3,045.7	3,045.7	2,668.9	14.1
13	11	Apple Computer Inc	3,041.2	3,041.2	2,031.0	49.7
14	17	Groupe Bull	3,007.5	3,007.5	2,569.1	17.1
15	15	Control Data Corp	3,366.5	3,000.9	3,004.7	-0.1
16	16	Nixdorf Computer AG	2,821.5	2,821.5	2,073.3	36.1
17	14	Matsushita Electric Ind. co	31,906.1	2,628.5	1,972.1	33.3
18	18	NV Philips Gloeilampenfabrieken	26,023.1	2,601.6	1,867.6	32.2
19	25	Xerox Corp.	14,895.0	2,415.0	2,100.0	15.0
20	-	STC plc	3,379.0	2,123.9	1,750.8	21.3
21	22	Honeywell Bull Inc.	2,059.0	2,059.0	1,890.0	8.9
22	26	Alcatel NV	12,909.8	2,052.1	1,697.4	20.9
23	21	AT&T Corp	33,598.0	2,000.0	2,085.0	-4.1
24	20	TRW Inc.	6,821.2	1,960.0	1,625.0	20.6
25	27	Tandy Corp	3,654.7	1,692.4	1,560.2	8.5
26	24	Mitsubishi Electric Corp.	14,947.2	1,673.9	1,345.0	24.4
27	38	Canon Inc	6,753.5	1,673.4	994.1	68.3
28	19	LM Ericsson	5,110.2	1,511.6	1,343.6	12.5
29	31	Amdahl Corp.	1,505.2	1,505.2	966.3	55.8
30	28	Automatic Data Processing Inc	1,467.0	1,467.0	1,298.1	13.0
31	29	Electronic Data Systems	4,435.9	1,440.5	1,125.9	27.9
32	35	Data General Corp.	1,303.9	1,303.9	1,287.6	1.3
33	33	Nippon Univac Kaisha Ltd	1,294.6	1,294.6	985.9	91.3
34	30	Ricoh Co. Ltd	4,394.9	1,275.7	933.8	36.6
35	36	McDonnell Douglas Corp	13,344.5	1,241.8	1,189.8	4.4
36	37	Inspectorate International Ltd	1,665.5	1,225.0	266.8	359.1
37	39	Compaq Computer corp	1,224.1	1,224.1	625.2	95.8
38	40	Seiko Epson Corp	2,164.3	1,198.4	1,035.7	15.7
39	-	Comdisco Inc.	1,234.0	1,153.0	985.0	17.1
40	41	Okai Electric Industry Co. Ltd.	3,193.5	1,137.3	880.6	29.1
41	23	Computer Sciences Corp	1,133.8	1,133.8	977.7	16.0
42	32	Nippon Telegraph & Telephone Cor.	38,112.6	1,128.5	905.2	24.7
43	49	Tandem Computers Inc.	1,089.6	1,089.6	845.3	28.9
44	43	Seagate Technology	1,075.7	1,075.7	709.4	51.6
45	34	Memorex International	1,041.1	1,041.1	NA	NA
46	47	Zenith Electronics Corp.	2,363.0	1,040.0	548.0	89.9
47	65	National Semiconductor Corp	2,067.6	985.0	725.0	35.9
48	45	Societe Generale	4,767.6	970.1	567.9	70.8
49	50	Prime Computer Inc.	960.9	960.9	860.2	11.7
50	-	Atlantic Computers plc	1,031.2	959.9	429.7	123.4

1987年 총대출고액에 대한 정보처리관련연계 출고의 비율(%)	달 러 以 外 의 會 計 通 貨				1985年 雇 備 者 數 (名)	研 究 開 發 費		純 利 益 (100만 달 러)	會 計 년 도 말
	정 보 처 리 관 련 매 출 고 (100만)		성 장 륜 (%)	미 국 기 업 이 외 의 소 개 국		1987년	총 대출 고 에 대한 비율(%)		
	1987년	1986년							
93.1	-	-	-	-	389,384	5,434.0	10.0	5,258.0	Dec.
100.0	-	-	-	-	116,800	1,138.8	11.0	1,284.3	June.
90.0	-	-	-	-	92,500	1,318.5	13.6	578.0	Dec.
66.7	¥1,263,992.0	¥1,108,134.0	14.1	Japan	89,293	1,154.7	8.8	171.0	March
45.1	¥1,190,314.0	¥1,065,820.0	11.7	Japan	101,227	1,711.4	9.4	208.0	March
19.0	¥907,315.0	¥796,899.0	13.9	Japan	161,325	2,179.3	6.6	734.5	March
19.9	DM10,250.0	DM9,520.0	7.7	W.Ger	359,000	3,455.7	12.1	709.4	Sept.
90.0	-	-	-	-	62,000	355.9	6.3	419.3	Dec.
61.8	-	-	-	-	82,000	901.0	11.1	644.0	Oct.
81.5	L6,014,300.0	L5,769,000.0	4.3	Italy	58,087	330.6	5.8	310.0	Dec.
14.4	¥497,700.0	¥439,000.0	13.4	Japan	124,000	1,514.3	6.4	293.6	March
100.0	-	-	-	-	30,855	232.0	7.6	94.5	June
100.0	-	-	-	-	7,927	203.3	6.7	280.5	Sept.
100.0	FF18,071.2	FF17,796.0	1.5	France	26,337	332.9	11.1	37.5	Dec.
89.1	-	-	-	-	34,500	389.0	11.6	19.3	Dec.
100.0	DM5,071.0	DM4,503.0	12.6	W.Ger	29,440	245.4	9.4	146.9	Dec.
8.2	¥380,145.0	¥332,340.0	14.4	Japan	132,851	1,832.4	5.7	1,010.7	Nov.
10.0	G5,270.0	G4,820.0	9.3	Neth.	336,700	2,154.3	8.3	403.8	Dec.
16.2	-	-	-	-	99,032	722.0	4.9	578.0	Dec.
62.9	£1,299.0	£1,194.2	8.8	U. K.	33,860	287.8	8.5	221.1	Dec.
100.0	-	-	-	-	20,500	216.0	10.5	17.4	Dec.
15.9	ECV1,780.0	ECV1,730.0	2.9	Belgium	137,000	861.2	6.7	398.9	Dec.
6.0	-	-	-	-	303,000	2,453.0	7.3	2,044.0	Dec.
28.7	-	-	-	-	77,931	1,874.0	27.5	243.4	Dec.
46.3	-	-	-	-	36,000	NA	NA	289.0	June
11.2	¥242,077.0	¥226,654.0	6.8	Japan	70,935	815.9	5.5	131.4	March
24.8	¥242,014.0	¥167,519.0	44.5	Japan	NA	449.4	6.6	91.6	March
29.6	Skr9,584.0	Skr9,571.0	0.1	Sweden	70,893	505.3	9.9	115.9	Dec.
100.0	-	-	-	-	7,600	178.9	11.9	146.0	Dec.
100.0	-	-	-	-	22,000	59.6	4.1	149.8	June
100.0	-	-	-	-	43,433	NA	NA	323.1	Dec.
100.0	-	-	-	-	15,640	164.7	12.6	-111.3	Sept.
100.0	¥187,227.0	¥166,138.0	12.7	Japan	4,410	NA	NA	20.1	March
29.0	¥184,490.0	¥157,357.0	17.2	Japan	15,000	273.6	6.2	92.3	March
9.3	-	-	-	-	112,400	647.7	4.9	313.0	Dec.
73.6	SFr1,835.3	SFr182.0	908.4	Switz.	7,698	NA	NA	57.2	Dec.
100.0	-	-	-	-	4,000	47.1	3.9	136.0	Dec.
55.4	¥173,317.0	¥174,530.0	-0.7	Japan	17,000	194.8	9.0	NA	March
93.4	-	-	-	-	1,130	NA	NA	23.0	Sept.
35.6	¥164,481.0	¥148,404.0	10.8	Japan	18,328	178.0	5.6	31.4	March
100.0	-	-	-	J	18,400	NA	NA	40.5	March
3.0	¥163,201.0	¥152,544.0	7.0	Japan	298,000	NA	NA	1,332.2	March
100.0	-	-	-	-	7,176	120.8	11.1	101.9	Sept.
100.0	-	-	-	-	23,490	40.9	3.8	115.3	June
100.0	G2,108.9	NA	NA	Neth.	14,166	51.0	4.9	47.0	Nov.
44.0	-	-	-	-	35,000	103.4	4.4	-19.1	Dec.
47.6	-	-	-	-	38,000	220.0	10.6	6.6	May
20.3	FF5,829.0	FF3,934.0	48.2	France	NA	NA	NA	NA	Dec.
100.0	-	-	-	-	8,818	109.7	11.4	64.8	Dec.
93.1	£587.1	£293.1	100.3	U. K.	1,134	3.3	0.3	42.3	Dec.

順位		企業量	1987年 總賣出高 (100만불)	情報處理關聯賣出高		
1987年	1986年			1987年 (100만불)	1986年 (100만불)	成長率 (%)
51	52	Northern Telecom Ltd.	4,853.5	900.0	900.0	0.0
52	61	C. Itoh & Co. Ltd.	105,382.4	829.2	808.7	2.5
53	-	General Electric Co.	40,515.0	800.0	800.0	0.0
54	-	Telex Corp.	877.8	788.9	728.2	8.3
55	-	Commodore International Ltd	815.5	785.0	800.0	-1.9
56	42	Sun Microsystems Inc.	755.9	755.9	342.7	120.6
57	46	Storage Technology Corp.	750.0	750.0	696.0	7.8
58	58	Arthur Andersen & Co	2,481.9	748.9	546.0	37.2
59	44	Texas Instruments Inc.	5,594.5	740.0	750.0	-1.3
60	57	Motorola Inc.	6,707.0	724.9	694.0	4.4
61	51	Cray Research Inc.	680.3	687.3	596.7	15.2
62	77	Mannesmann AG	823.5	686.0	488.5	40.4
63	48	Martin Marietta Corp.	5,418.3	685.7	659.4	4.0
64	54	Cap Gemini Sogeti	682.3	682.3	420.1	62.4
65	63	Econocom International BV	674.3	674.3	435.2	54.9
66	60	Computer Associates International Inc	648.8	648.8	264.9	144.9
67	75	Intergraph Corp.	641.1	641.1	605.7	5.8
68	-	Bell Atlantic Corp.	10,298.4	634.9	310.0	104.8
69	-	Alps Electric Co. Ltd.	2,635.6	632.5	NA	NA
70	55	Samsung Electronics Co. Ltd.	4,117.9	569.5	395.1	44.1
71	70	Computervision Corp	564.0	564.0	494.7	14.0
72	72	Apollo Computer Inc.	553.6	553.6	391.7	41.3
73	73	Lockheed Corp.	11,321.0	553.0	497.0	11.3
74	80	Racal Electronics plc	2,178.1	549.1	472.8	16.1
75	67	Amstrad plc	965.3	533.0	274.0	94.5
76	68	Comparex Information Systeme GmbH	530.8	530.8	NA	NA
77	69	CSK Group	802.1	486.9	308.7	57.7
78	76	Microsoft Corp.	456.7	456.7	260.2	75.5
79	71	Xidex Corp	599.6	455.7	418.3	8.9
80	79	3M	9,429.0	455.0	400.0	13.7
81	53	Harris Corp.	2,083.9	446.0	464.0	-3.9
82	84	Finsiel SpA	424.1	424.1	304.1	39.5
83	74	Norsk Data AS	422.6	422.6	349.0	21.1
84	-	Continental Information Systems Corp.	420.8	405.4	282.9	43.4
85	66	Emhart Corp	2,454.5	404.8	356.0	13.7
86	64	Ferranti plc	1,068.8	398.8	335.7	18.8
87	82	Wyse Technology	396.2	396.2	228.0	73.8
88	-	Lotus Development Corp.	395.6	395.6	283.0	39.9
89	100	Shared Medical Systems Corp	390.7	390.7	374.9	4.2
90	-	Convergent Technologies Inc.	384.8	384.8	305.8	25.8
91	-	Nokia Corp.	3,181.7	305.3	273.4	37.3
92	96	Tandon Corp.	374.0	374.0	242.8	54.0
93	87	Sony Corp.	9,470.6	365.5	285.2	28.2
94	92	Miniscribe Corp.	362.5	362.5	184.9	96.0
95	62	Diebold Inc.	439.1	345.5	325.5	6.1
96	78	MAI Basic Four Inc.	334.2	334.2	287.9	16.1
97	-	Dataproducts Corp.	334.2	334.2	350.8	-4.7
98	86	Datapoint Corp.	320.7	320.7	325.0	-1.3
99	85	Tektronix Inc.	1,388.9	320.0	350.0	-8.6
100	59	Goulo Inc.	933.4	299.3	290.0	3.2

1987年 총매출고에 대한 정보처리관련매 출고의 비율(%)	달 리 以 外 의 會 計 通 貨				1985年 雇 備 者 數 (名)	研 究 開 發 費		純 利 益 (100만 달 리)	會 計 년 도 말
	정보처리관련매출고(100만)	성장율 (%)	미국기업 이 외 의 소 재 국	1987년		총매출고 에 대한 비율(%)			
	1987년	1986년							
18.5	-	-	-	Canada	48,778	587.5	12.1	328.8	Dec.
0.8	¥119,924.0	¥134,288.0	-12.0	Japan	10,800	NA	NA	138.8	March
2.0	-	-	-	-	302,000	1,194.0	3.0	2,915.0	Dec.
89.9	-	-	-	-	8,289	50.8	5.8	56.6	March
96.3	-	-	-	-	3,150	16.5	2.0	37.1	June
100.0	-	-	-	-	5,465	101.5	13.4	48.0	June
100.0	-	-	-	-	8,865	60.0	8.0	26.0	Dec.
30.2	-	-	-	-	40,000	NA	NA	NA	Aug.
13.2	-	-	-	-	77,984	428.0	7.7	308.5	Dec.
10.8	-	-	-	-	97,700	524.0	7.8	308.0	Dec.
100.0	-	-	-	-	4,308	108.8	15.8	147.1	Dec.
83.3	DM1,233.0	DM1,061.0	16.2	W.Gey	9,457	NA	NA	NA	Dec.
12.7	-	-	-	-	68,000	220.0	4.1	230.6	Dec.
100.0	FF4,100.0	FF2,910.0	40.9	France	10,600	34.1	5.0	43.3	Dec.
100.0	G1,366.0	G1,066.0	28.1	Neth.	1,600	NA	NA	NA	Dec.
100.0	-	-	-	-	4,000	81.1	12.5	60.2	March
100.0	-	-	-	-	6,300	67.5	10.5	69.9	Dec.
6.2	-	-	-	-	80,950	NA	NA	1,240.4	Dec.
24.0	¥91,478.0	NA	NA	Japan	NA	NA	NA	NA	March
13.8	W468,435.0	W348,300.0	34.5	S.Korea	44,316	245.9	6.0	74.6	Dec.
100.0	-	-	-	-	4,575	60.1	10.7	19.5	Dec.
100.0	-	-	-	-	3,992	61.1	11.0	21.7	Dec.
4.9	-	-	-	-	99,300	549.0	4.8	421.0	Dec.
25.2	£ 335.8	£ 322.5	4.1	U.K	32,000	160.2	7.4	193.9	March
35.2	£ 326.0	£ 186.9	74.4	U.K	1,009	NA	NA	172.7	June
100.0	DM954.0	NA	NA	W.Ger	1,056	NA	NA	22.4	Dec.
60.7	¥70,423.0	¥52,016.0	35.4	Japan	NA	NA	NA	NA	Sept.
100.0	-	-	-	-	1,996	50.1	11.0	93.0	June
76.0	-	-	-	-	7,299	10.7	1.8	-48.9	June
4.8	-	-	-	-	82,405	618.0	6.5	918.0	Dec.
21.4	-	-	-	-	23,200	117.7	5.6	92.2	June
100.0	L550,000.0	L453,428.0	21.3	Italy	4,060	23.2	5.5	13.2	Dec.
100.0	NKr2,847.0	NKr2,580.0	10.3	Norway	4,488	43.0	10.2	29.4	Dec.
96.3	-	-	-	-	900	NA	NA	15.1	Feb.
16.5	-	-	-	-	30,548	39.8	1.6	106.5	Dec.
37.3	L243.9	L229.0	6.5	Italy	24,000	NA	NA	90.6	March
100.0	-	-	-	-	3,600	21.1	5.3	25.5	March
100.0	-	-	-	-	2,119	58.4	14.8	72.0	Dec.
100.0	-	-	-	-	4,300	37.9	9.7	45.3	Dec.
100.0	-	-	-	-	3,200	33.6	8.7	-32.6	Dec.
11.8	Fmk1,650.0	Fmk1,386.0	19.0	Finland	29,300	145.1	4.6	278.6	Dec.
100.0	-	-	-	-	2,800	17.5	4.7	10.3	Dec.
3.9	¥52,859.0	¥48,054.0	10.0	Japan	51,000	852.3	9.0	251.3	Oct.
100.0	-	-	-	-	4,971	19.8	5.5	31.1	Dec.
78.7	-	-	-	-	4,878	21.9	5.0	35.8	Dec.
100.0	-	-	-	-	3,367	22.9	6.8	23.9	Sept.
100.0	-	-	-	-	3,600	25.6	7.7	-3.9	March
100.0	-	-	-	-	2,810	10.5	3.3	15.3	July
23.0	-	-	-	-	16,879	207.5	14.9	25.7	May
32.1	-	-	-	-	10,126	94.3	10.1	-95.6	Dec.

(1) 100大企業의 市場區分



(2) 메인프레임 TOP 15個社

순 위	총매출 순 위	기 업 명	매 출 액 (백만불)		성 장 륜(%)	시 장 점 유 율
			1987년	1986년		
1	1	IBM	11,193.0	10,891.0	2.8	41.6
2	4	Fujitsu Ltd.	3,318.2	2,469.8	34.4	12.3
3	5	NEC Corp.	3,082.0	2,274.9	35.5	11.5
4	6	Hitachi Ltd.	1,850.4	1,371.4	34.9	6.9
5	3	Unisys Corp.	1,427.0	1,418.0	0.6	5.3
6	14	Groupe Bull	962.8	822.3	17.1	3.6
7	29	Amdahl Corp.	926.2	502.5	84.3	3.4
8	7	Siemens AG	695.5	582.4	19.4	2.6
9	20	STC PLC	596.8	484.5	23.2	2.2
10	61	Cray Research Inc.	588.0	525.5	11.9	2.2
11	15	Control Data Corp.	510.0	475.0	7.4	1.9
12	21	Honeywell Bull Inc.	370.6	340.2	8.9	1.4
11	47	National Semiconductor	362.0	300.0	20.7	1.3
14	33	Nippon Univac Kaisha Ltd	226.9	169.4	33.9	0.8
15	26	Mitsubishi Electric Corp.	223.4	184.6	21.0	0.8

주) 시장점유율은 상위 100개사 메인프레임 매출고 대 기업별 점유율

(3) 미니컴퓨터 TOP 15個社

순 위	총매출 순 위	기 업 명	매출액(백만불)		성장률(%)	시 장 점유율(%)
			1987년	1986년		
1	1	IBM	4,300.0	4,077.0	5.5	19.9
2	2	DEC	3,248.4	2,688.6	20.8	15.0
3	9	Hewlett-Packard Co.	1,221.0	1,100.0	11.0	5.6
4	11	Toshiba Corp	919.6	765.5	20.1	4.2
5	12	Wang Laboratories Inc	909.3	804.7	13.0	4.2
6	4	Fujitsu Ltd.	804.3	620.2	29.7	3.7
7	26	Mitsubishi Electric Corp.	644.3	474.7	35.7	3.0
8	10	Olivetti SPA	603.9	493.0	22.5	2.8
9	16	Nixdorf Computer AG	566.6	414.4	36.7	2.6
10	8	NCR Corp.	483.4	366.5	31.9	2.2
11	43	Tandem Computer Inc.	472.8	345.5	36.9	2.2
12	56	Sun Microsystems Inc.	453.5	204.6	121.7	2.1
13	3	Unisys corp	426.0	418.0	1.9	2.0
14	33	Nippon Univac Kaisha Ltd.	400.1	310.3	28.9	1.8
15	49	Prime Computer Ltd	378.0	314.5	23.1	1.8

주) 시장점유율은 상위100사 미니컴퓨터 매출고 대 기업별 점유율

(4) 마이크로 컴퓨터 TOP 15個社

순 위	총매출 순 위	기 업 명	매출액(백만불)		성장률(%)	시 장 점유율(%)
			1987년	1986년		
1	1	IBM	7,007.7	6,150.0	14.0	20.6
2	13	Apple Computer	2,069.0	1,331.0	55.5	8.7
3	37	Compaq Computer Corp	1,224.0	625.2	95.8	5.2
4	10	Olivetti SPA	1,176.0	1,268.9	△7.3	5.0
5	25	Tandy Corp.	1,132.2	997.0	13.6	4.8
6	3	Unisys Corp.	1,075.0	950.0	13.2	4.5
7	46	Zenith Electronics Corp.	1,040.0	548.0	89.8	4.4
8	5	NEC Corp.	933.2	697.3	33.8	4.0
9	11	Toshiba Corp.	800.0	581.5	37.6	3.4
10	23	AT & T	540.0	600.0	△10.0	2.3
11	75	Amstradpk	533.0	274.0	94.5	2.3
12	55	Commodore Intl., Ltd.	514.3	525.0	02.0	2.2
13	9	Hewlett-Packard Co.	499.0	450.0	10.9	2.1
14	4	Fujitsu Ltd.	463.0	339.8	36.3	2.0
15	17	Matsushita Elec. Ind	436.8	340.4	28.3	1.8

주) 시장점유율은 상위 100사 마이크로컴퓨터 총수입 대 기업별 점유율

(5) 周邊機器 TOP 10個社

순 위	총매출 순 위	기 업 명	매출액(백만불)		성장률(%)	시 장 점유율(%)
			1987년	1986년		
1	1	IBM	8,725.0	9,279.0**	-6.0	16.4
2	6	Hitachi Ltd.	3,036.2	2,321.9	30.8	5.7
3	2	Digital Equipment Corp.	2,764.7	2,270.0**	21.8	5.2
4	5	NEC Corp.	2,270.1	1,774.8	27.9	4.3
5	4	Fujitsu Ltd	2,164.0	1,624.1	33.2	4.1
6	8	NCR Corp.	1,808.4	1,564.7	15.6	3.4
7	9	Hewlett-Packard Co.	1,735.0	1,525.0	13.8	3.3
8	19	Xerox Corp.	1,560.0	1,300.0	20.0	2.9
9	7	Siemens AG	1,502.3	1,167.2	28.7	2.8
10	3	Unisys Corp.	1,307.9	1,286.0**	1.6	2.5
11	16	Nixdorf Computer AG	1,250.9	920.9	35.8	2.4
12	17	Matsushita Elec. Indust	1,185.1	847.5	39.8	2.2
13	14	Groupe Bull	1,172.1	1,001.0	17.1	2.2
14	44	Seagate Technology	1,075.7	709.4	51.6	2.0
15	15	Control Data Corp	974.5	1,075.0	9.4	1.8

주) 시장점유율은 상위 100사의 주변기기 매출액대 기업별 점유율

(6) 소프트웨어 TOP 15個社

순 위	100 대 총순위	기 업 명	매출액(백만불)		성장률(%)	시 장 점유율(%)
			1987년	1986년		
1	1	IBM	6,836.0	5,140.0	24.0	40.2
2	3	Unisys Corp.	1,163.0	938.0	24.0	6.8
3	2	DEC	691.1	560.0	23.4	4.1
4	5	NEC Corp	676.0	507.1	33.3	4.0
5	7	Siemens AG	550.8	386.8	42.4	3.2
6	4	Fujitsu Ltd.	515.9	389.2	32.6	3.0
7	66	Computer Assoc. Intl	497.6	226.5	119.7	2.9
8	6	Hitachi Ltd.	448.8	331.0	35.6	2.6
9	9	Hewlett-Packard Co.	415.0	375.0	10.7	2.4
10	16	Nixdorf Computer	405.8	299.3	35.6	2.4
11	78	Microsoft Corp.	397.3	260.2	52.7	2.3
12	88	Lotus Dev. Corp.	395.6	283.0	39.8	2.3
13	10	Olivetti SPA	347.9	225.5	54.3	2.0
14	108	Ashton-Tate	267.3	210.7	26.9	-
15	112	Management Sci America	256.6	193.5	32.6	-

주) 시장점유율은 상위 100사의 S/W매출액대 기업별 점유율

(7) 데이터통신 TOP 10個社

순 위	100 대 순 위	회 사	매 출 액 (백 만 불)		증 가 율 (%)	시 장 점 유 율 (%)
			1987년	1986년		
1	1	IBM	1,507.0	1,331.0**	13.2	10.0
2	7	Siemens AG	1,402.1	1,095.8	28.0	9.3
3	22	Alcatel NV	1,037.6	0.0	0.0	6.9
4	23	AT & T	1,010.0	1,075.0	-6.1	6.7
5	51	Toshiba Corp.	865.0	800.0	8.1	5.7
6	5	Canon	842.1	748.0	12.6	5.6
7	11	Matsushita Elec Indust.	760.6	534.1	42.4	5.0
8	27	NEC Corp.	742.9	639.4	101.1	4.9
9	17	Toshiba Corp	680.2	503.2**	35.2	4.5
10	4	Fujitsu Ltd	674.4	531.0	27.0	4.5
11	34	Ricoh Company Ltd.	590.0	408.4	44.7	3.5
12	28	LM Ericsson	529.0	470.6**	12.4	3.5
13	60	Motorola Inc.	528.0	465.0	13.6	3.5
14	18	NV Philips Gloeilampenfabrieken	518.3	428.6	20.9	3.4
15	74	Racal Electronics plc	488.7	416.4	17.4	3.2

주) 시장 점유율은 상위 100사의 데이터통신 매출액대 기업별 점유율

(8) 서비스部門 TOP 15個社

순 위	100 대 총 순 위	회 사	매 출 액 (백 만 불)		증 가 율 (%)	시 장 점 유 율 (%)
			1987년	1986년		
1	23	TRW Inc.	1,780.0	1,450.0	22.8	11.7
2	27	ADP Inc.	1,467.0	1,298.1	13.0	9.7
3	31	Electronic Data Systems	1,440.5	1,125.9	27.9	9.5
4	35	Computer Sciences Corp.	1,133.8	977.7	16.0	7.5
5	29	Unisys Corp.	1,120.0	1,093.0	2.5	7.4
6	11	Control Data Corp	896.4	872.7	2.7	5.9
7	53	IBM	850.0	750.0	13.3	5.6
8	30	McDonnell Douglas Corp.	830.2	803.2	3.4	5.5
9	39	Arthur Andersen & Co.	705.9	546.0	29.3	4.7
10	59	Martin Marietta	685.7	659.4	4.0	4.5
11	66	Cap Gemini Sogeti	682.3	420.1	62.4	4.5
12	9	Mippon Teleg. & Teleph	565.6	450.5	25.5	3.7
13	84	General Electric Co	450.0	450.0	0.0	3.0
14	1	Emhart Corp.	404.8	356.0	13.7	2.7
15	94	NCR Corp.	396.0	350.0	13.1	2.6

주) 시장 점유율은 상위 100사의 서비스부문 매출액 대 기업별 점유율

(9) 賣出伸張率 順位 TOP 15個社

순 위	100 대 순 위	회 사	매 출 액 (백만불)		증 가 율 (%)
			1987년	1986년	
1	36	Inspectorate Intl.*	SFr1,835.3	SFr182.0	908.4
2	66	Comp. Assoc. Intl.*	\$ 648.8	\$ 264.9	144.9
3	56	Sun Microsystems Inc.	\$ 755.9	\$ 342.7	120.6
4	68	Bell Atlantic Corp.*	\$ 634.9	\$ 310.0	104.8
5	50	Atlantic Comp. plc.*	£ 587.1	£ 293.1	100.3
6	94	MiniScribe Corp.	\$ 362.5	\$ 184.9	96.0
7	37	Clompaq Comp. Corp.	\$ 1,244.1	\$ 625.2	95.8
8	46	Zenith Elec. Corp.	\$ 1,040.0	\$ 548.0	89.8
9	78	Microsoft Corp.	\$ 456.7	\$ 260.2	75.5
10	75	Amstrad plc	£ 326.0	£ 186.9	74.4
11	87	Wyse Technology*	\$ 396.2	\$ 228.0	73.8
12	29	Amdahl Corp.	\$ 1,505.2	\$ 966.3	55.8
13	92	Tandon Corp.	\$ 374.0	\$ 242.8	54.0
14	44	Seagate Technology	\$ 1,075.7	\$ 709.4	51.6
15	13	Apple Computer Inc.	\$ 3,041.2	\$ 2,031.0	49.7

(10) 賣出下落率 TOP 12個社

순 위	100 대 순 위	회 사	매 출 액 (백만불)		증 가 율 (%)
			1987년	1986년	
1	118	Plessey Co. plc	£ 149.0	£ 200.0	-25.5
2	52	C. Itoh \$ Co. Ltd.	¥119,924.0	¥136,288.0	-12.0
3	109	Boeing Co.	\$ 266.3	\$ 300.0	-11.2
4	99	Tektronix Inc.	\$ 320.0	\$ 350.0	-8.6
5	97	Dataproducts Corp.	\$ 334.2	\$ 350.8	-4.7
6	23	AT&T Corp.	&2,000.0	\$ 2,085.0	-4.1
7	81	Harris Corp.	\$ 446.0	\$ 464.0	-3.9
8	55	Commodore Intl. Ltd.	\$ 785.0	\$ 800.0	-1.9
9	59	Texas Instruments Inc.	\$ 740.0	\$ 750.0	-1.3
10	98	Datapoint Corp.	\$ 320.7	\$ 325.0	-1.3
11	38	Seiko Epson Corp.	¥173,317.0	¥174,530.0	-0.7
12	15	Control Data Corp.	\$ 3,000.9	\$ 3,004.7	-0.1

(11) 純利益率 TOP 15個社

순 위	100大 총순위	회 사	순 이 익 률 (%)	
			1987년	1986년
1	61	Cray Research Inc.	21.4	20.9
2	78	Microsoft Corp	20.4	22.1
3	88	Lotus Development Corp.	18.2	17.1
4	75	Amstrad plc	17.9	18.6
5	2	Digital Equipment Corp.	12.4	10.2
6	68	Bell Atlantic Corp.	12.0	11.8
7	89	Shared Medical Systems Corp.	11.6	8.5
8	37	Compaq Computer Corp.	11.1	6.8
9	67	Intergraph Corp.	10.9	11.6
10	44	Seagate Technology	10.7	12.7
11	30	ADP Inc.	10.2	8.9
12	80	3M	9.7	9.1
13	29	Amdahl Corp.	9.7	4.3
14	1	IBM	9.7	9.3
15	43	Tandem Computers Inc.	9.4	9.4

(12) 赤字 TOP 6個社

순 위	100大 총순위	회 사	적 자 (백 분 불)	
			1987년	1986년
1	32	Data General Corp.	111.3	-26.8
2	100	Gould Inc.	95.6	-101.8
3	79	Xidex Corp.	48.9	+32.5
4	90	convergent Technologies Inc.	32.6	-32.8
5	46	Zenith Electronics Corp.	19.1	-10.0
6	97	Dataproducts Corp.	3.6	+12.8

(13) 従業員數 増加率 TOP 15個社

순 위	100大 총순위	회 사	종 업 원 수		증가율(%)
			1987년	1986년	
1	87	Wyse Technology	3,600	1,516	137.5
2	84	Continental Is Corp.	900	379	137.5
3	37	Compaq Computer Corp.	4,000	1,900	110.5
4	44	Seagate Technology	23,490	11,872	97.9
5	75	Amstrad plc	1,009	526	91.8
6	94	Miniscribe Corp.	4,971	2,658	87.0
7	50	Atlantic Computers plc	4,135	630	80.0
8	56	Sun Microsystems Inc.	5,465	3,163	72.8
9	66	Computer Associates Inc.	4,000	2,400	66.7
10	88	Lotus Development Corp.	2,119	1,400	51.4
11	38	Seiko Epson Corp.	17,000	12,000	41.7
12	64	Cap Gemini Sogeti	10,600	7,500	41.3
13	13	Apple Computer Inc.	7,927	5,940	33.5
11	78	Microsoft Corp.	1,996	1,500	33.1
15	90	Convergent Tech. Inc.	3,200	2,483	28.9

(14) 従業員 1人當 賣出額 TOP 12個社

순 위	100大 총순위	회 사	매 출 액	정보처리매출액	1 9 8 7
			(천 불)	(백 만 불)	종업원수 (명)
1	76	Comparex IS GmbH	502.7	530.8	1,056
2	84	Continental IS	450.4	405.4	900
3	65	Econocom Intl. BV	421.4	674.3	1,600
4	13	Apple Computer Inc.	383.7	3,041.2	7,927
5	37	Compaq Computer Corp.	306.0	1,224.1	4,000
6	33	Nippon Univac Kaisha Ltd.	293.6	1,294.6	4,410
7	55	Commodore Intl. Ltd.	249.2	785.0	3,150
8	78	Microsoft Corp.	228.8	456.7	1,996
9	29	Amdahl Corp.	198.1	1,505.2	7,600
10	88	Lotus Development Corp.	186.7	395.6	2,119
11	66	Computer Assoc. Intl. Inc.	162.2	648.8	4,000
12	61	Cray Research Inc.	159.5	687.3	4,308