

Computers and Peripheral Equipment: 2005

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(Formerly MA334R, Computers and Office and Accounting Machines)

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Current Industrial Reports

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SUMMARY OF FINDINGS. In 2005, manufacturers' shipments of electronic computers were valued at \$38.4 billion, a 1.3-percent increase from the 2004 value of \$37.9 billion. Computer storage devices were valued at \$7.5 billion in 2005, a 24.2-percent increase from the 2004 value of \$6.1 billion. Com-

puter terminals, excluding parts, attachments, and accessories, were valued at \$244.8 million, a 10.7-percent decrease from the 2004 value of \$274.1 million. Other computer peripheral equipment, excluding parts and attachments for point-of-sale terminals and fund-transfer devices, were valued at \$7.7 billion in 2005, a 2.6-percent increase from the 2004 value of \$7.5 billion. Magnetic and optical recording media were valued at \$1.3 billion in 2005, a 17.9-percent decrease from the 2004 value of \$1.6 billion.

For general CIR information, explanation of general terms and historical note, see the appendix.

NOTE: The Census Bureau is re-issuing the results of its Current Industrial Reports on Computers and Peripheral Equipment to reflect significant revisions to the data for a number of large companies. Revised quarterly data for 2006 are shown in the respective MQ334R report and revised 2004 and 2005 annual data are shown in the 2005 MA334R report.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Jennifer Lee, 301-763-9057.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-763-4673.

U S C E N S U S B U R E A U

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Table 1. Value of Shipments of Computers and Peripheral Equipment by Product Class: 2000 to 2005
 [Millions of dollars]

Product class	Product description	2005	2004	2003	2002	2001	2000
334111	Electronic computers.....	38,385.5	37,894.6	38,270.6	40,448.3	48,542.9	62,856.9
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, PC servers).....	r/ 11,758.5	r/ 10,992.7	12,236.6	13,053.2	16,469.3	22,877.4
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, and portable computers).....	r/ 25,906.2	26,309.4	25,163.8	26,586.0	31,492.2	38,981.3
334111D	Other computers (array, analog, hybrid, and special-use computers).....	720.7	592.5	870.2	809.1	581.4	998.2
3341121	Computer storage devices (except parts, attachments, and accessories).....	6,099.8	5,034.4	5,101.0	5,026.9	7,318.7	8,995.4
3341124	Parts, attachments, and accessories for computer storage devices.....	r/ 1,440.7	r/ 1,039.1	1,129.5	1,578.0	1,699.1	1,691.9
3341131	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories).....	244.8	r/ 274.1	258.0	266.1	360.9	415.1
3341134	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices).....	(D)	1.7	1.3	(D)	(D)	(D)
3341191	All other miscellaneous computer peripheral (input/output) equipment (except parts, attachments, and accessories).....	r/ 4,425.3	r/ 4,704.7	(S)	(S)	(S)	(S)
3341194	Parts, subassemblies, and accessories for computer peripheral equipment.....	2,743.3	r/ 2,256.5	1,848.9	1,905.3	2,359.9	2,766.3
3341197	Point-of-sale terminals and funds-transfer devices.....	496.9	512.9	732.0	632.4	977.0	852.3
334119D	Parts and attachments for point-of-sale terminals and funds-transfer devices.....	(D)	(D)	(NA)	(NA)	(NA)	(NA)
3346130	Magnetic and optical recording media.....	r/ 1,302.8	r/ 1,586.0	2,270.8	2,207.3	2,227.6	3,205.5

D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards.

Table 2. Quantity and Value of Shipments of Computers and Peripheral Equipment: 2005 and 2004
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2005		2004	
			Quantity	Value	Quantity	Value
334111	Electronic computers.....	93	24,947,117	38,385,493	27,335,433	37,894,582
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, PC servers).....	40	(D) r/	11,758,540	(D) r/	10,992,683
3341111101	Large-scale systems, including mainframes and super computers.....	11	(D)	2,156,052	(D) r/	2,268,120
3341111104	Midrange servers (all sizes).....	5	67,147	1,134,357	(NA)	(NA)
3341111108	Blade servers.....	4	(D)	(D)	(NA)	(NA)
3341111112	Personal computer servers.....	19	(D)	(D)	(D)	(D)
3341111117	Other host computers.....	18	(D)	(D)	(D)	(D)
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers).....	56	r/ 22,878,103	r/ 25,906,209	23,256,271	26,309,380
3341117107	Personal computers.....	24	(D)	(D)	16,252,206	15,690,162
3341117109	Workstations.....	32	(D)	(D)	1,045,106	1,848,406
3341117127	Mobile computers, including notebooks, subnotebooks, laptops, and tablet PCs).....	16	(D)	(D)	(D)	8,456,427
3341117129	Smart handheld devices.....	10	(D)	(D)	(D)	(D)
3341117130	All other single user computers.....	3	(D)	(D)	(D)	(D)
334111D	Other computers (array, analog, hybrid, and special-use computers).....	29	(D)	720,744	(D)	592,519
3341121	Computer storage devices (except parts, attachments, and accessories).....	42	(X)	6,099,821	(X)	5,034,439
3341121109	Disk subsystems and disk arrays for multiuser computer systems.....	15	a/ 224,750	2,008,478	a/r/ 115,890	1,361,542
3341121112	Disk drives (all sizes).....	13	(X) r/	10,714	(X) b/	68,996
3341121123	Storage Area Networks (SANs).....	3	391	10,217	(D)	(D)
3341121138	Tape drives (all sizes).....	10	(X)	288,937	(X)	278,217
3341121141	USB Flash memory (thumb drives).....	-	-	-	(NA)	(NA)
3341121145	Other computer storage devices.....	22	b/r/ 1,162,424	3,781,475	(D)	(D)
3341124	Parts, attachments, and accessories for computer storage devices.....	13	(X) r/	1,440,698	(X) r/	1,039,072
3341131	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories).....	19	(X) a/	244,817	(X) a/r/	274,072
3341134	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices).....	6	(X)	(D)	(X) c/	1,732
3341191	All other miscellaneous computer peripheral (input/output) equipment (except parts, attachments, and accessories).....	128	(X) r/	4,425,279	(X) a/r/	4,704,731
3341191110	Input devices, all types.....	28	(X) r/	348,346	(X) r/	365,632
3341191115	Optical scanning devices: bar codes.....	17	1,746,114	483,764	1,195,670	406,009
3341191117	Optical scanning devices: OCR equipment.....	5	(D)	(D)	(D)	216,010
3341191124	Optical scanning devices: scanners.....	15	(X) b/	233,892	(X)	(D)
3341191127	Magnetic strip and ink recognition equipment.....	6	(D)	(D)	(D)	(D)
3341191132	Impact printers: line type and serial type.....	13	(D) r/	145,876	a/ 144,508	a/ 120,654
3341191135	Nonimpact printers: laser.....	15	c/ 3,117,643	a/ 568,211	2,693,906	a/r/ 653,068
3341191138	Nonimpact printers: multifunction.....	2	(D)	(D)	(NA)	(NA)
3341191140	Nonimpact printers: other.....	23	(X)	1,069,517	(X) r/	1,353,388
3341191145	Plotters.....	4	(D) b/	17,730	(D) b/r/	21,789
3341191147	Monitors: flat bed panel (excluding terminals).....	11	93,687	r/ 90,664	(D) r/	78,986
3341191152	Monitors: other than flat panel.....	10	(X)	56,673	(X) a/	134,916
3341191154	Mobile and wireless projectors.....	1	(D)	(D)	(NA)	(NA)
3341191156	All other peripheral equipment.....	31	(X) r/	305,937	(X) b/r/	648,823
3341191157	Accessories for computer peripherals.....	23	(X) r/	212,295	(X)	269,404
3341194	Parts, subassemblies, and accessories for computer peripheral equipment.....	34	(X)	2,743,282	(X) r/	2,256,494

Table 2. Quantity and Value of Shipments of Computers and Peripheral Equipment: 2005 and 2004
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2005				2004			
			Quantity		Value		Quantity		Value	
3341197	Point-of-sale terminals and funds-transfer devices.....	17	a/r/	291,670	b/	496,852	r/	426,881		512,888
334119D	Parts and attachments for point-of-sale terminals and funds-transfer devices.....	5		(X)		(D)		(X)		(D)
3346130	Magnetic and optical recording media.....	19		(X)	r/	1,302,788		(X)	r/	1,586,042
3346130215	Rigid disks: all sizes.....	6		(X)		27,225		(X)		(D)
3346130614	Flexible disks.....	2		(D)		(D)		(D)		(D)
3346130615	Optical disks.....	7		(D)	a/r/	294,636		(D)	a/r/	425,169
3346130501	Bulk magnetic tape.....	4		(D)	r/	90,295	a/r/	793,924	r/	91,853
3346130423	Packaged magnetic tape (all types).....	5		(X)	r/	813,956		(X)		902,172
3346130617	Other magnetic recording media, including parts.....	5		(X)		(D)		(X)		15,884

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. X Not applicable.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item has been estimated. b/26 to 50 percent of this item has been estimated. c/Over 50 percent of this item has been estimated.

Table 3. Shipments, Exports, and Imports Consumption of Computers and Peripheral Equipment: 2005
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments (f.o.b. plant)		Exports of domestic merchandise 1/		Imports for consumption 2/ 3/	
		Quantity	Value	Quantity	Value	Quantity	Value
3341111101, 104, 108, 112, 117, 3341117107, 109, 127, 129, 130, 334111D	Computers, digital, analog, hybrid, and other.....	r/ 24,947,117	r/ 38,385,493	4,093,474	6,867,083	40,398,443	29,089,923
3341121109, 112, 123, 138, 141, 145, 3341124	Computer storage devices and parts and subassemblies.....	(X)	7,540,519	6,912,182	2,188,722	181,063,208	10,885,089
3341131	Computer terminals (except point-of-sale and funds-transfer devices).....	(X)	244,817	86,801	55,562	3,228,711	568,594
3341191110	Input devices, all types.....	(X) r/	348,346	2,548,895	321,222	45,952,486	459,267
3341191115, 117, 124, 127	Optical scanning devices and magnetic strip and ink recognition equipment.....	(X)	(D)	419,000	259,040	5,205,401	669,525
3341191135	Nonimpact laser printers.....	3,117,643	568,211	309,527	241,368	10,461,343	3,260,091
3341191132, 138, 140	Computer printers, n.e.c.	(X)	(D)	1,542,577	718,541	(X)	4,656,282
3341191145	Plotter.....	(D)	17,730	(X)	12,325	282,516	26,385
3341197	Point-of-sale terminals and funds-transfer devices.....	r/ 291,670	496,852	111,151	179,843	2,396,516	745,106
3346130215, 614, 615	Rigid, flexible, and optical disks.....	(X)	(D)	192,404,772	668,432	428,043,325	77,262
3346130423, 501	Bulk and packaged magnetic tape.....	(X) r/	904,251	(X)	264,173	(X)	1,123,016
3346130617	Other magnetic recording media, including parts.....	(X)	(D)	(X)	335,588	(X)	3,370,751

D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

3/Value represents the c.i.f. (cost, insurance, and freight) value at first port of entry in the United States plus import duties.

Note: For comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export codes and HTSUSA import codes, see Table 4.

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3341111101, 104, 108, 112, 117, 3341117107, 109, 127, 129, 130, 334111D	Computers, digital, analog, hybrid, and other.....	8471.10.0000	8471.10.0000
		8471.30.0000	8471.30.0000
		8471.41.0035	8471.41.0035
		8471.41.0065	8471.41.0065
		8471.41.0095	8471.41.0095
		8471.49.1035	8471.49.1035
		8471.49.1065	8471.49.1065
		8471.49.1095	8471.49.1095
		8471.50.0035	8471.50.0035
		8471.50.0065	8471.50.0065
		8471.50.0085	8471.50.0085
3341121109, 112, 123, 138, 141, 145, 3341124	Computer storage devices and parts and subassemblies.....	8471.49.5010	8471.49.5010
		8471.49.5020	8471.49.5020
		8471.49.5040	8471.49.5040
		8471.49.5060	8471.49.5060
		8471.49.5080	8471.49.5080
		8471.70.1000	8471.70.1000
		8471.70.2000	8471.70.2000
		8471.70.3000	8471.70.3000
		8471.70.4035	8471.70.4035
		8471.70.4065	8471.70.4065
		8471.70.4095	8471.70.4095
		8471.70.5035	8471.70.5035
		8471.70.5065	8471.70.5065
		8471.70.5095	8471.70.5095
8471.70.6000	8471.70.6000		
8471.70.9000	8471.70.9000		
3341131	Computer terminals (except point-of-sale and funds-transfer devices).....	8471.49.2400	8471.49.2400
		8471.60.3000	8471.60.3000
3341191110	Input devices, all types.....	8471.49.2100	8471.49.2100
		8471.60.2000	8471.60.2000
		9017.20.8040	9017.20.8040
3341191115, 117, 124, 127	Optical scanning devices and magnetic strip and ink recognition equipment.....	8471.49.4200	8471.49.4200
		8471.60.8000	8471.60.8000
3341191135	Nonimpact laser printers.....	8471.49.3100	8471.49.3100
		8471.49.3200	8471.49.3200
		8471.60.5100	8471.60.5100
		8471.60.5200	8471.60.5200
		8471.60.6100	8471.60.6100
		8471.60.6200	8471.60.6200

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3341191132, 138, 140	Computer printers, n.e.c.	8471.49.3300	8471.49.3300
		8471.49.3400	8471.49.3400
		8471.49.3500	8471.49.3500
		8471.49.3600	8471.49.3600
		8471.49.3730	8471.49.3730
		8471.49.3760	8471.49.3760
		8471.49.3790	8471.49.3790
		8471.60.5300	8471.60.5300
		8471.60.5400	8471.60.5400
		8471.60.5500	8471.60.5500
		8471.60.5600	8471.60.5600
		8471.60.5730	8471.60.5730
		8471.60.5760	8471.60.5760
		8471.60.5790	8471.60.5790
		8471.60.6300	8471.60.6300
		8471.60.6400	8471.60.6400
		8471.60.6500	8471.60.6500
		8471.60.6600	8471.60.6600
8471.60.6730	8471.60.6730		
8471.60.6760	8471.60.6760		
8471.60.6790	8471.60.6790		
3341191145	Plotters.....	9017.10.0000	9017.10.4000 9017.20.7000
3341197	Point-of-sale terminals and funds-transfer devices.....	8470.50.0020 8472.90.1000	8470.50.0020 8472.90.1000
3346130215, 614, 615	Rigid, flexible, and optical disks.....	8523.20.0000	8523.20.0000
3346130423, 501	Bulk and packaged magnetic tape.....	8523.11.0000	8523.11.0000
		8523.12.0010	8523.12.0010
		8523.12.0020	8523.12.0020
		8523.12.0040	8523.12.0040
		8523.12.0060	8523.12.0060
		8523.13.0020	8523.13.0020
		8523.13.0040	8523.13.0040
		8523.13.0060	8523.13.0060
3346130617	Other magnetic recording media, including parts.....	8522.10.0000	8522.10.0000
		8522.90.0010	8522.90.7540
		8522.90.0090	8522.90.7580
		8523.90.0000	8523.90.0000

N.e.c. Not elsewhere classified.

1/Source: 2005 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2005).