

U.S. Census Bureau
Computers and Peripheral Equipment - Summary 2008
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Table 1. Value of Shipments of Computers and Peripheral Equipment by Product Class
[Millions of dollars]

Product class	Product description		2008		2007
334111	Electronic computers.....		37,541.6		37,574.3
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, PC servers).....		(D)		(D)
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers).....		(D)		(D)
334111D	Other computers (array, analog, hybrid, and special-use computers).....	c/	308.8	r/	328.6
3341121	Computer storage devices (except parts, attachments, and accessories).....	a/	6,367.0		7,889.9
3341124	Parts, attachments, and accessories for computer storage devices.....		1,327.4	r/	1,545.3
3341131	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories).....	b/	244.5		326.4
3341134	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices).....		(D)		(D)
3341191	All other miscellaneous computer peripheral (input/output) equipment (except parts, attachments, and accessories).....	a/	4,245.1	r/	5,097.9
3341194	Parts, subassemblies, and accessories for computer peripheral equipment.....	c/	2,600.4		3,306.9
3341197	Point-of-sale terminals and funds-transfer devices.....	c/	957.5		1,001.4
334119D	Parts and attachments for point-of-sale terminals and funds-transfer devices.....		9.5	r/	8.8
3346130	Magnetic and optical recording media.....	c/	1,341.3	r/	1,525.3

(D) Withheld to avoid disclosing data for individual companies.

r/ Revised by 5 percent or more from previously published

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 2. Quantity and Value of Shipments of Computers and Peripheral Equipment: 2008
[Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Total		Fourth quarter		Third quarter		Second quarter		First quarter											
			Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value										
334111	Electronic computers.....	92		27,623,727		37,541,557		6,925,289		8,924,358		7,097,004		9,699,315		7,210,855		9,930,694		6,390,579		8,987,190
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, PC servers).....	42		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341111101	Large-scale systems, including mainframes and super computers.....	11	c/	95,302	a/	2,987,089	c/	25,811	a/ r/	757,446	c/ r/	21,617	a/ r/	724,612	c/ r/	24,842	c/ r/	843,055	c/ r/	23,032	a/ r/	661,976
3341111104	Midrange servers (all sizes).....	11	c/	61,959	b/	972,994	c/	15,887	b/	246,926	c/	15,856	b/ r/	241,070	c/ r/	16,901	c/ r/	266,378	c/	13,315	c/ r/	218,620
3341111108	Blade servers.....	7		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341111112	Personal computer servers.....	18		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341111117	Other host computers.....	11		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers).....	52		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341117107	Personal computers.....	24		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341117109	Workstations.....	24		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341117127	Mobile computers (include notebooks, subnotebooks, laptops, and tablet PCs)	16		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341117129	Smart handheld devices.....	6		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
3341117130	All other single-user computers.....	6		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)		(D)
334111D	Other computers (array, analog, hybrid, and special-use computers).....	27	b/	177,344	c/	308,817	c/	40,618	c/	72,795	c/	43,802	c/ r/	73,078		48,213	r/	77,460	c/	44,711	c/ r/	85,484
3341121	Computer storage devices (except parts, attachments, and accessories).....	38		(X)	a/	6,366,977		(X)	a/	1,420,158		(X)	a/ r/	1,563,641		(X)	a/ r/	1,659,768		(X)	r/	1,723,410
3341121109	Disk subsystems and disk arrays for multiuser computer systems.....	12		(X)		(D)		(X)		595,635		(X)		678,726		(X)		(D)		(X)		646,683
3341121112	Disk drives (all sizes).....	12		(X)	c/	201,420		(X)	c/	49,808		(X)	c/	31,978		(X)	b/ r/	54,333		(X)	b/ r/	65,301
3341121123	Storage Area Networks (SANs).....	11		(X)		(D)		(X)	b/	443,624		(X)	b/	514,030		(X)		(D)		(X)	b/	548,573
3341121138	Tape drives (all sizes).....	9		(X)	b/	264,125		(X)	b/ r/	81,007		(X)	b/ r/	71,247		(X)	b/ r/	63,377		(X)	b/ r/	48,494
3341121150	Other computer storage devices.....	13		(X)	b/	1,321,269		(X)	a/ r/	250,084		(X)	a/ r/	267,660		(X)	b/ r/	389,166		(X)	c/ r/	414,359
3341124	Parts, attachments, and accessories for computer storage devices.....	11		(X)		1,327,395		(X)		253,774		(X)		310,073		(X)		403,160		(X)		360,388
3341131	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories).....	13		(X)	b/	244,501		(X)	c/	61,905		(X)	c/	57,862		(X)	a/	59,378		(X)	b/	65,356
3341134	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices).....	3		(X)		(D)		(X)		28		(X)		42		(X)		(D)		(X)		(D)
3341191	All other miscellaneous computer peripheral (input/output) equipment (except parts, attachments, and accessories).....	116		(X)	a/	4,245,113		(X)	a/	1,057,058		(X)	a/ r/	1,068,673		(X)	a/	1,090,710		(X)	a/	1,028,672
3341191110	Input devices, all types.....	22		(X)	c/	269,894		(X)	c/	82,039		(X)	c/	66,178		(X)	c/	55,740		(X)	b/	65,937
3341191115	Optical scanning devices: bar codes.....	10		(X)	c/	396,429		(X)	c/	86,335		(X)	c/ r/	107,703		(X)	c/ r/	106,355		(X)	c/ r/	96,036
3341191117	Optical scanning devices: OCR equipment.....	4		(X)	a/	370,483		(X)	b/	76,531		(X)	b/	97,420		(X)	a/	98,297		(X)	a/	98,235
3341191124	Optical scanning devices: scanners.....	13		(X)	c/	158,615		(X)	c/	51,069		(X)	c/ r/	34,552		(X)	c/ r/	37,383		(X)	c/ r/	35,611
3341191127	Magnetic strip and ink recognition equipment.....	5		(X)		(D)		(X)		(D)		(X)		(D)		(X)		(D)		(X)		(D)
3341191132	Impact printers: line type and serial type.....	12		(X)	a/	111,290		(X)		25,248		(X)	a/	26,899		(X)	a/ r/	29,620		(X)	a/ r/	29,523
3341191136	Nonimpact printers.....	34		(X)	a/	1,379,255		(X)	a/	351,500		(X)	a/ r/	349,361		(X)	a/ r/	375,199		(X)	a/ r/	303,195
3341191147	Monitors: flat bed panel (excluding terminals).....	14		(X)	b/	120,096		(X)	b/	36,783		(X)	b/	23,624		(X)	b/	28,541		(X)	b/	31,148
3341191152	Monitors: other than flat panel.....	7		(X)		(D)		(X)		(D)		(X)		(D)		(X)		(D)		(X)		(D)
3341191157	Accessories for computer peripherals.....	18		(X)	a/	271,117		(X)		65,461		(X)		66,662		(X)	a/	59,764		(X)	a/	79,230
3341191160	All other peripheral equipment.....	20		(X)		(D)		(X)		(D)		(X)		(D)		(X)		(D)		(X)		(D)
3341194	Parts, subassemblies, and accessories for computer peripheral equipment.....	35		(X)	c/	2,600,420		(X)	c/	753,277		(X)	b/ r/	646,911		(X)	b/ r/	603,386		(X)	b/ r/	596,846
3341197	Point of sale terminals and fund-transfer devices.....	13		(X)	c/	957,521		(X)	b/ r/	180,381		(X)	a/	262,797		(X)	c/	298,056		(X)	c/	216,287
334119D	Parts and attachments for point of sale terminals and fund-transfer devices.....	3		(X)		9,485		(X)	c/	5,586		(X)	b/	1,990		(X)		(D)		(X)		(D)
3346130	Magnetic and optical recording media.....	20		(X)	c/	1,341,257		(X)	c/	213,004		(X)	c/	377,623		(X)	c/	370,736		(X)	c/	379,894
3346130615	Optical disks.....	10		(X)	c/	336,394		(X)	b/	60,630		(X)	b/	82,833		(X)	c/	95,565		(X)	c/	97,366
3346130630	Magnetic recording media, including parts.....	12		(X)	c/	1,004,863		(X)		152,374		(X)		294,790		(X)		275,171		(X)		282,528

Table 2. Quantity and Value of Shipments of Computers and Peripheral Equipment: 2008
[Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Total		Fourth quarter		Third quarter		Second quarter		First quarter	
			Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
-	Represents zero.	(D)	Withheld to avoid disclosing data for individual companies.		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 of Computers and Peripheral Equipment: 2008
[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
334111	Computers, digital, analog, hybrid, and other.....	27,623,727	37,541,557	5,609,052	9,111,156	53,459,708	39,368,276
3341121, 124	Computer storage devices and parts and subassemblies.....	(X) a/	7,694,372	5,810,467	2,231,651	242,293,625	11,613,871
3341191115, 117, 124, 127	Optical scanning devices and magnetic strip and ink recognition equipment.....	(X)	(D)	332,021	234,547	3,521,294	597,883
3341191132, 136	Computer printers.....	(X) a/	1,490,545	2,958,817	1,162,421	42,668,035	8,127,609
3341191147, 152	Monitors, all types.....	(X)	(D)	600,332	259,460	35,838,112	6,138,052
3341197	Point-of-sale terminals and fund-transfer devices.....	(X) c/	957,521	112,278	276,346	2,998,850	923,632
3346130	Magnetic and optical recording.....	(X) c/	1,341,257	(X)	416,052	(X)	1,826,618

(D) Withheld to avoid disclosing data for individual companies. (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.

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 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2008

Product code	Product description	Export code 1/	Import code 2/
334111	Computers, digital, analog, hybrid, and other.....	8471.30.0100	8471.30.0100
		8471.41.0110	8471.41.0110
		8471.41.0150	8471.41.0150
		8471.49.0000	8471.49.0000
		8471.50.0110	8471.50.0110
		8471.50.0150	8471.50.0150
3341121, 124	Computer storage devices and parts and subassemblies.....	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
3341191115, 117, 124, 127	Optical scanning devices and magnetic strip and ink recognition equipment.....	8471.60.8000	8471.60.8000
3341191132, 136	Computer printers	8443.31.0000	8443.31.0000
		8443.32.1030	8443.32.1030
		8443.32.1040	8443.32.1040
		8443.32.1050	8443.32.1050
		8443.32.1060	8443.32.1060
		8443.32.1070	8443.32.1070
		8443.32.1080	8443.32.1080
3341191147, 152	Monitors, all types.....	8528.41.0000	8528.41.0000
		8528.51.0000	8528.51.0000
3341197	Point-of-sale terminals and funds-transfer devices.....	8470.50.0020	8470.50.0020
		8472.90.1000	8472.90.1000
3346130	Magnetic and optical recording.....	8522.10.0000	8522.10.0000
		8522.90.0010	8522.90.5540
		8522.90.0090	8522.90.7540
		8523.29.1000	8523.29.1000
		8523.40.1000	8523.40.1000

1/Source: 2008 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 (2008).

Historical Note

The Census Bureau has collected data on Computers and Office and Accounting Machines, MA334R, since 1953. Beginning in 2005, data for the MA334R were collected under the title Computers and Peripheral Equipment. In 2006, Computers and Peripheral Equipment data were collected and published as a quarterly (MQ334R) survey.

Historical Current Industrial Reports data (called Facts for Industry before 1959) may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.