

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) |
| 334111101 | Large-scale systems, including mainframes and super computers..... | 11 | c/ 95,302 | a/ 2,987,089 | c/ 25,811 | a/ 757,446 | c/ 21,617 | a/ 724,612 | c/ 24,842 | a/ 843,055 | c/ 23,032 | a/ 661,976 |
| 3341111104 | Midrange servers (all sizes)..... | 11 | c/ 61,959 | b/ 972,994 | c/ 15,887 | b/ 246,926 | c/ 15,856 | b/ 241,070 | c/ 16,901 | a/ 266,378 | c/ 13,315 | a/ 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 | a/ 73,078 | r/ 48,213 | c/ 77,460 | c/ 44,711 | a/ 85,484 |
| 3341121 | Computer storage devices (except parts, attachments, and accessories)..... | 38 | (X) a/ | 6,366,977 | (X) a/ | 1,420,158 | (X) a/ 1/ | 1,563,641 | (X) a/ 1/ | 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/ 1/ | 54,333 | (X) b/ 1/ | 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/ 1/ | 81,007 | (X) b/ 1/ | 71,247 | (X) b/ 1/ | 63,377 | (X) b/ 1/ | 48,494 |
| 3341121150 | Other computer storage devices..... | 13 | (X) b/ | 1,321,269 | (X) a/ 1/ | 250,084 | (X) a/ 1/ | 267,660 | (X) b/ 1/ | 389,166 | (X) c/ 1/ | 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/ 1/ | 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/ 1/ | 107,703 | (X) c/ 1/ | 106,355 | (X) c/ 1/ | 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/ 1/ | 34,552 | (X) c/ 1/ | 37,383 | (X) c/ 1/ | 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/ 1/ | 29,620 | (X) a/ 1/ | 29,523 |
| 3341191136 | Nonimpact printers..... | 34 | (X) a/ | 1,379,255 | (X) a/ | 351,500 | (X) a/ 1/ | 349,361 | (X) a/ 1/ | 375,199 | (X) a/ 1/ | 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/ 1/ | 646,911 | (X) b/ 1/ | 603,386 | (X) b/ 1/ | 596,846 |
| 3341197 | Point of sale terminals and fund-transfer devices..... | 13 | (X) c/ | 957,521 | (X) b/ 1/ | 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 |
| 8443.32.1090 | 8443.32.1090 | | |
| 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>.