

CURRENT INDUSTRIAL REPORTS SERIES

2008

MQ334R — COMPUTERS AND PERIPHERAL EQUIPMENT

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of survey

This survey covers manufacturers of computers and related equipment. Computers are also referred to as automatic data processing machines.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms.

a. Quantity and value of shipments

The figures on quantity and value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

Include shipments of new and completed machines and parts which are sold separately. Include machines shipped on consignment as well as to central warehouses and sales branches of your company, whether or not they were sold by the end of the reporting year. Deduct allowances for products returned during the reporting year. Include factory rebuilt machines but not those reconditioned or repaired. Do not include products manufactured in other plants of your company or products made by other manufacturers which were purchased by you for resale.

Leased machines — For products leased or rented by your company, report the number and estimated values. The estimate should approximate the value of the products sold outright. If no such prices exist, the value may be based on the valuation placed on these items for tax, insurance, or similar purposes.

b. Columnar structure of report

When entering your figures on the report form, please be sure to report the information in the correct columns as follows:

Column 1 — Quantity

Column 2 — Value (report shipments in thousands of dollars. Example: \$1,000,000, report as \$1,000)

c. Special instructions

Parts — Report a component or subassembly in the parts category only if:

- (1) Your company fabricates or assembles the complete item at the reporting location; and
- (2) The item is not explicitly specified within the 10-digit North American Industry Classification System (NAICS)-based product classifications as defined for use in the 5-year Economic Census or Current Industrial Reports (CIR) program.

Exclude:

- Printed circuit boards without componentry (report on CIR Form MA334Q)
- Other electronic componentry (e.g. relays, capacitors, switches, semiconductors; report on CIR Form MA334Q)
- Power supplies (report on CIR Form MA334Q)
- Fasteners, stampings, and similar hardware
- Equipment enclosures (also NAICS 332322C101, 332322C206, 332322C311)

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c. Special Instructions—Continued

Include:

- Other subassemblies not specified elsewhere that are specialized for use only in complete equipment you manufacture.

3. Definitions

ELECTRONIC COMPUTERS

Blade server (item code 1124)—A thin, modular electronic circuit board, containing one or more microprocessors, that is dedicated to a single task. The operating system and its application program are already on board.

Host systems (item codes 1110–1197) — Systems that are designed to simultaneously execute instructions from multiple users.

Single-user computers (item codes 1410–1492) — Designed and sold as a single user system—Limited to those systems designed to execute instructions from a single user. User programmable in a high-level language and can independently initiate and operate end user applications. Exclude any special purpose processors such as consumer/financial systems, fixed function devices such as calculators, word/spelling/language processors, note takers, etc.

Smart handheld devices (item code 1447)—These devices include Personal Digital Assistants (PDA's), pen-based handhelds, key-based handhelds, and convergence devices. Mobile phones are excluded.

Other computers (item code 1500) — Include products that are dedicated towards a specific task that is computational in nature. Examples of such products are array processors, database processors, vector processors, and image processors. Usually these processors work on a specific class of tasks in combination with some other computer. Include analog or hybrid computers.

COMPUTER STORAGE DEVICES, TERMINALS, AND PERIPHERAL EQUIPMENT

Computer storage devices (item codes 2170–2650) — Equipment for data storage in addition to the main or cache storage of a computer (e.g., disk drives, tape drives). Exclude storage media (e.g. disks, tape), which should be reported as "magnetic and optical recording media" (items 5042–5060).

Computer terminals (item codes 2840–2860) — General purpose equipment for human-controlled data entry into or interaction with a computer system. Local processing, storage or other intelligence is limited to that required for formatting data for output, display or communication. Exclude personal computers or workstations, which should be reported in items 1410 or 1420. Report point-of-sale terminals in items 4017. Also see "Computer peripheral equipment, not elsewhere classified (n,e.c)."

Computer peripheral equipment, n.e.c. (item codes 3737–3890) — Exclude devices that can communicate within a computer system but that are designed primarily for some other application that is not primarily computational in nature. For example, exclude equipment designed primarily for measurement or control (NAICS 334513 and 334515), communication (NAICS 334210 and 334220), machining (NAICS 333511 through 333518), or any other specific application.

Bar code devices (item code 3752) — Equipment for reading an array of rectangular bars and spaces which are arranged in a predetermined pattern following unambiguous rules in a specific way to represent elements of data which are referred to as characters. Includes readers, scanners and decoders.

Magnetic strip (item code 3788) — Records, or encodes, information onto a material, using low or high energy electromagnetic charges. These charges or signals can then be read by a decoder that translates them into numbers and characters for identification by a computer.

Funds transfer devices (item code 4017) — Devices facilitating the handling of various financial transactions involving the consumer and financial institutions. Typically, these devices provide services such as account status inquiries, transfers of funds to and from various accounts, withdrawals, deposits, and payments.

Point-of-sale devices (item code 4017) — Devices facilitating the handling of various retail transactions involving the sale, exchange, or return of merchandise or service.

ABBREVIATIONS AND METRIC CONVERSIONS

cm = Centimeters (cm)
2 inches = 2.54 centimeters (cm)
cm = 0.3937 inches

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4. Comparability

If you also report in the Annual Survey of Manufactures (Form MA-10000), the sum of values for item codes shown in column (a) should correspond to the dollar values reported under product class codes indicated in column (b) below:

Current Industrial Reports (Form MQ334R)	Annual Survey of Manufactures
Item codes (a)	Product class codes (b)
1110 through 1197	3341111
1410 through 1492	3341117
1500	334111D
2170 through 2625	3341121
2650	3341124
2840	3341131
2860	3341134
3737 through 3885	3341191
3890	3341194
4017	3341197
4035	334119D
5042 through 5060	3346130

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REFERENCE LIST

FORM MQ334R		COMPUTERS AND PERIPHERAL EQUIPMENT
Product code	Item code	Item description
		ELECTRONIC COMPUTER MANUFACTURING (Report quantity in number of units)
3341111101	1110	Large-scale systems, including mainframes and super computers
3341111104	1115	Midrange servers (all sizes)
3341111108	1124	Blade servers
3341111112	1130	PC servers
3341111117	1197	Other host computers
3341111	1199	Total host computers (sum of item codes 1110–1197)
3341117107	1410	Personal computers
3341117109	1420	Workstations (microprocessor-based single-user systems distinguished from PCs by operating systems and relative-high performance)
3341117127	1437	Mobile computers (include notebooks, subnotebooks, laptops, and tablet PCs)
3341117129	1447	Smart handheld devices
3341117130	1492	All other single-user computers
3341117	1499	Total single user computers (sum of item codes 1410–1492)
334111D	1500	Other computers (including array and other analog, hybrid or special purpose computers)
334111	1599	Total Computers (sum of item codes 1199, 1499, and 1500)
		COMPUTER STORAGE DEVICES
3341121109	2170	Disk subsystems and disk arrays for multiuser computer systems
3341121112	2227	Disk drives (all sizes)
3341121123	2390	Storage Area Networks (SANs)
3341121138	2597	Tape drives (all sizes)
3341121150	2625	Other computer storage devices
3341121	2629	Total computer storage devices and equipment (sum of item codes 2170–2625)
3341124	2650	Computer storage parts and subassemblies
		COMPUTER TERMINALS
3341131	2840	Computer terminals
3341134	2860	Computer terminal parts and subassemblies (see instructions)

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Product code	Item code	Item description
		COMPUTER PERIPHERAL EQUIPMENT
3341191110	3737	Input devices, all types
3341191115	3752	Optical scanning devices: bar codes
3341191117	3758	Optical scanning devices: OCR equipment
3341191124	3777	Optical scanning devices: scanners
3341191127	3788	Magnetic strip and ink recognition equipment
3341191132	3807	Impact printers: line type and serial type
3341191136	3825	Nonimpact printers, including laser and multifunction
3341191147	3854	Monitors: flat bed panel, excluding terminals
3341191152	3867	Monitors: other than flat panel
3341191157	3880	Accessories for computer peripherals
3341191160	3885	All other peripheral equipment
3341191	3889	Total computer peripheral equipment (sum of item codes 3737–3885)
3341194	3890	Parts and subassemblies for computer peripherals
3341197	4017	Funds transfer and P.O.S. terminals
334119D	4035	Parts and attachments for P.O.S. and funds transfer devices
		MAGNETIC AND OPTICAL RECORDING
3346130615	5042	Optical disks
3346130630	5060	Magnetic recording media, including parts
3346130	5099	Total magnetic and optical recording media and parts (sum of item codes 5042–5060)
		SELECTED NONMANUFACTURING REVENUES
9999998900	9110	Resales— Sales of products bought and sold without further manufacture, processing, or assembly
9999998041	9140	Research and development, testing and evaluation of systems and components
9999737230	9290	Systems integration revenues

1/28/08