

U.S. Census Bureau
Telecommunications - Summary 2008
MQ334P(08)-5
Issued July 2009

Address inquiries concerning these data to Investment Goods Industries Branch, U.S. Department of Commerce, Census Bureau, Manufacturing and Construction Division, Washington, DC 20233-6900, or call Deirdre Baker, 301-763-1450.

Table 1. Value of Shipments of Telecommunication Equipment by Class of Product
[Millions of dollars]

Product class code	Product description		2008	2007	2006
3342101	Telephone switching and switchboard equipment.....	a/	1,643.1	1,958.6	1,812.2
3342104	Carrier line equipment and nonconsumer modems.....		3,136.7	a/ 3,511.6	2,912.3
3342107	Wireline voice and data network equipment.....	a/	4,594.7	r/ 11,180.6	18,562.9
3342203	Wireless networking equipment.....	a/	4,768.2	6,158.6	(NA)
3342205	Radio station equipment.....	a/	16,466.8	r/a/ 17,823.7	(NA)
3342209	Other communications systems and equipment.....	a/	10,878.7	a/ 6,355.4	(NA)
3342202	Broadcast, studio, and related electronic equipment.....	a/	3,484.3	a/ 3,349.6	3,653.3
3342901	Alarm systems, including electric sirens and horns.....	a/	2,090.3	a/ 2,043.8	1,526.1
3342902	Vehicular and pedestrian traffic control equipment including electric railway signals and attachments.....	b/	1,234.6	r/a/ 1,239.3	1,047.8
3342903	Intercommunications systems, including inductive paging systems (selective calling) (except telephone and telegraph).....	b/	457.8	a/ 438.1	433.2
3344184	Modems, consumer type.....	b/	86.7	a/ 81.6	79.1

(NA) Not available.

r/Revised by 5 percent or more from previously published data.

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. Value of Shipments of Telecommunication Equipment By Product Code: 2008 and 2007
 [Value in thousands of dollars]

Product code	Product description	No. of cos. 2008	Total 2008	Fourth quarter 2008	Third quarter 2008	Second quarter 2008	First quarter 2008	No. of cos. 2007	Total 2007	Fourth quarter 2007	Third quarter 2007	Second quarter 2007	First quarter 2007
3342101	Telephone switching and switchboard equipment.....	(X) a/	1,643,126	a/ 400,768	a/ 404,470	a/ 422,078	a/ 415,810	(X)	1,958,600	a/ 484,480	a/ 509,657	518,415	446,048
3342101105	Central office switching equipment.....	15 a/	300,009	b/ 67,243	b/ 69,800	a/ 82,501	a/ 80,465	16	405,498	113,023	93,948	104,506	94,021
3342101119	Private branch exchange switching equipment.....	12 a/	191,337	a/ 60,679	a/ 43,477	a/ 46,005	a/ 41,176	12 a/	184,640	a/ 39,420	a/ 47,632	a/ 49,845	a/ 47,743
3342101125	Other telephone switching and switchboard equipment.....	25 a/	868,194	a/ 204,947	a/ 222,482	a/ 222,556	a/ 218,209	29	1,095,898	242,509	302,552	301,792	249,045
3342101199	Parts, components, and subassemblies for telephone switching equipment.....	15 c/	283,586	b/ 67,899	b/ 71,116	r/c/ 71,016	r/c/ 75,960	14 b/	272,864	c/ 89,528	c/ 65,525	c/ 62,272	c/ 55,239
3342104	Carrier line equipment and nonconsumer modems.....	(X)	3,136,672	r/ 685,059	818,798	828,816	803,999	(X) a/	3,511,633	a/ 854,233	r/a/ 854,280	a/ 966,112	a/ 837,008
3342104112	Multiplex equipment, including channel banks, analog and digital.....	28 a/	1,324,909	a/ 273,390	r/a/ 362,185	r/a/ 351,411	r/a/ 337,923	29 r/	1,223,487	r/ 333,681	r/ 307,715	r/ 319,700	r/ 262,391
3342104137	All other carrier line equipment.....	25 a/	559,551	r/a/ 125,246	r/a/ 142,333	r/a/ 155,410	r/a/ 136,732	26 b/	859,712	b/ 191,987	b/ 190,412	b/ 243,244	b/ 234,069
3342104142	External modems for POTS, ISDN, DSL, PSTN.....	15 b/	111,629	b/ 22,120	r/b/ 29,416	r/b/ 26,574	r/b/ 33,519	14 a/	176,488	a/ 30,887	a/ 49,180	a/ 47,051	a/ 49,370
3342104145	Fiber optic equipment meeting SONET standards.....	12	506,570	116,847	119,488	135,399	134,836	11	662,835	134,369	159,735	206,448	162,283
3342104148	Fiber optic equipment not meeting SONET standards.....	9	634,013	147,456	r/ 165,376	r/ 160,192	r/ 160,989	10 r/	589,111	r/a/ 163,309	r/ 147,238	r/ 149,669	r/ 128,895
3342107	Wireline voice and data network equipment.....	(X) a/	4,594,705	a/ 1,102,548	r/a/ 1,171,091	r/a/ 1,186,174	r/a/ 1,134,892	(X) r/	11,180,573	r/a/ 1,067,682	r/ 667,526	4,693,646	4,751,719
3342107425	Telephone sets, including wireless phone sets, exclude cell phones.....	26	(D)	(D)	(D)	(D)	(D)	26 a/	237,813	61,368	a/ 62,304	(D)	(D)
3342107426	Other public switched telephone network (PSTN) type premise equipment, excluding PBX equipment.....	8 b/	17,185	b/ 5,642	r/b/ 4,235	r/b/ 4,123	r/b/ 3,185	8 r/b/	23,211	r/b/ 6,386	b/ 10,543	b/ 1,581	4,701
3342107228	Routers.....	16 b/	661,775	b/ 170,211	a/ 184,081	r/b/ 159,592	r/a/ 147,891	20 r/	2,793,102	r/a/ 162,581	r/a/ 208,897	1,152,466	1,269,158
3342107257	Switches (include Local Area Network (LAN) and Wide Area Network (WAN)).	7	(D)	(D)	(D)	(D)	(D)	10	(D)	(D)	(D)	(D)	(D)
3342107462	Voice/call message processing equipment, including answering devices.....	25 b/	739,958	b/ 201,840	b/ 173,938	r/c/ 180,400	c/ 183,780	26 c/	691,701	b/ 160,708	159,488	(D)	(D)
3342107267	Other data communications equipment, wireline type.....	54	1,151,537	r/b/ 279,926	r/b/ 308,891	r/b/ 290,954	b/ 271,766	56	(D)	(D)	(D)	(D)	(D)
3342107499	Parts, components, and subassemblies.....	17 c/	83,769	(D)	(D)	r/c/ 22,196	c/ 21,986	16 a/	68,390	a/ 12,399	24,199	(D)	(D)
3342203	Wireless networking equipment.....	(X)	4,768,171	1,150,437	r/ 1,121,369	r/ 1,211,480	r/ 1,162,351	(X)	6,158,565	r/ 1,216,659	r/ 1,162,351	1,449,450	2,330,105
3342203103	Cellular base stations.....	6	2,029,780	486,524	r/ 447,555	514,739	580,962	5	(D)	(D)	(D)	(D)	(D)
3342203105	Cellular mobile telephone switching equipment.....	7	488,927	118,166	112,048	125,745	132,968	9	575,646	126,133	114,637	a/ 129,543	a/ 205,333
3342203107	Cellular handsets (cell phones).....	6	(D)	(D)	(D)	(D)	(D)	6	(D)	(D)	(D)	(D)	(D)
3342203109	Wi-Fi public equipment.....	4	(D)	(D)	(D)	(D)	(D)	4	(D)	(D)	(D)	(D)	(D)
3342203111	Wi-max equipment.....	5	(D)	(D)	(D)	(D)	(D)	5	(D)	(D)	(D)	(D)	(D)
3342203113	Other cellular networking equipment.....	16 b/	1,154,592	b/ 276,383	b/ 288,359	b/ 290,298	b/ 299,552	18 r/a/	1,239,267	(D)	(D)	a/ 373,509	a/ 322,323
3342205	Radio station equipment.....	(X) a/	16,466,847	a/ 4,114,115	r/ 4,271,284	r/ 4,195,898	r/a/ 3,885,550	(X) r/a/	17,823,748	r/a/ 4,696,712	r/a/ 4,359,273	r/a/ 4,284,116	r/ 4,483,647
3342205104	Space-based (satellite) stations.....	6	4,979,015	b/ 1,211,537	1,307,813	1,245,322	r/b/ 1,214,343	8 b/	6,594,763	b/ 1,795,509	b/ 1,610,355	b/ 1,637,764	1,551,135
3342205109	Airborne- and marine-based stations.....	14 c/	2,802,720	b/ 717,584	r/c/ 688,421	r/c/ 727,298	r/c/ 629,417	13 r/a/	2,681,421	r/a/ 656,488	r/c/ 703,664	r/b/ 659,516	r/b/ 661,753
3342205114	Earth-based (fixed) based stations.....	31	3,391,488	880,817	a/ 863,713	886,276	760,682	38	3,108,882	852,635	a/ 765,385	738,233	752,629
3342205116	Earth-based (mobile) based stations.....	20	5,293,624	1,304,177	1,411,337	1,337,002	1,241,108	26	5,438,682	1,392,080	1,279,869	1,248,603	1,518,130
3342209	Other communication systems and equipment.....	(X) a/	10,878,722	r/a/ 2,842,945	r/a/ 2,677,652	r/a/ 2,686,300	r/a/ 2,671,825	(X) a/	6,355,371	a/ 1,714,412	a/ 1,620,307	a/ 1,548,659	a/ 1,471,993
3342209101	Checkout, monitoring, evaluation, and other electronic support equipment for communications systems.....	35 b/	333,602	b/ 80,308	r/b/ 85,661	r/b/ 87,714	r/b/ 79,919	38	649,333	177,832	162,588	152,908	156,005
3342209109	Antenna systems, sold separately.....	67 a/	1,651,833	a/ 412,086	r/a/ 425,430	r/a/ 441,720	r/a/ 372,597	70 a/	1,461,180	a/ 362,466	a/ 362,466	335,748	360,300
3342209125	Other communications systems and equipment.....	129 b/	8,893,287	r/b/ 2,350,551	r/b/ 2,166,561	r/b/ 2,156,866	r/b/ 2,219,309	133 a/	4,244,858	a/ 1,133,914	a/ 1,095,253	a/ 1,060,003	a/ 955,688
3342202	Broadcast, studio, and related electronic equipment.....	(X) a/	3,484,343	b/ 872,137	b/ 850,085	b/ 860,466	a/ 901,655	(X) a/	3,349,625	a/ 928,944	a/ 804,092	a/ 804,092	a/ 741,581
3342202107	Audio production equipment for broadcast studios.....	40 c/	305,383	c/ 66,662	c/ 81,659	c/ 84,340	c/ 72,722	42 b/	331,300	r/a/ 73,459	a/ 81,730	b/ 89,288	b/ 86,823
3342202113	Video production equipment.....	28 a/	573,640	b/ 135,391	r/b/ 135,377	r/b/ 159,009	a/ 143,863	28 r/a/	732,544	r/a/ 207,234	r/a/ 194,809	r/a/ 183,795	r/a/ 146,706
3342202116	AM and FM transmitters.....	9	243,745	58,723	r/ 58,935	r/ 60,498	r/ 65,589	11	323,328	r/ 88,572	r/ 88,468	r/ 76,867	r/ 69,421
3342202118	TV transmitters.....	5	161,705	r/ 48,037	38,093	41,564	r/ 34,011	4 r/	135,492	r/ 34,207	35,593	35,478	30,214
3342202119	Other transmission equipment.....	12 a/	263,432	b/ 44,758	b/ 69,882	b/ 73,591	r/ 75,201	10 r/	205,620	r/ 85,066	44,990	39,758	35,806
3342202143	Cable television (master antennae and CATV equipment).....	17 c/	391,018	c/ 105,741	c/ 108,628	a/ 88,181	a/ 88,468	21 a/	241,598	a/ 61,367	a/ 60,778	a/ 61,396	58,057
3342202144	Closed-circuit television systems and equipment, (specially designed cameras, monitors, video recorders, receivers, scan converters, and control consoles), excluding broadcast and consumer products.....	15 b/	861,349	a/ 214,976	a/ 220,754	r/c/ 214,290	r/a/ 211,329	14 r/	825,534	r/ 205,752	r/ 236,639	r/ 194,241	r/ 188,902
3342202155	Other broadcast and antenna equipment.....	31 b/	543,479	b/ 178,077	b/ 108,520	b/ 114,140	b/ 142,742	38 b/	415,120	b/ 129,538	b/ 101,944	b/ 87,940	b/ 95,698
3342202199	Parts and accessories.....	21 a/	140,592	a/ 19,772	a/ 28,237	a/ 24,853	a/ 67,730	21 a/	139,089	a/ 43,749	30,057	b/ 35,329	29,954
3342901	Alarm systems, including electric sirens and horns.....	(X) a/	2,090,277	a/ 515,343	a/ 515,122	a/ 533,345	a/ 526,467	(X) a/	2,043,849	a/ 528,788	a/ 485,071	a/ 524,216	a/ 505,774
3342901107	Intrusion detection alarm systems.....	23 c/	122,552	c/ 34,513	r/c/ 28,384	r/c/ 29,025	r/c/ 30,630	23 c/	127,204	c/ 29,328	b/ 31,743	c/ 34,038	c/ 32,095
3342901111	Fire detection and prevention alarm systems.....	30 a/	1,615,996	a/ 389,684	a/ 400,404	a/ 414,952	a/ 410,956	35 a/	1,537,085	a/ 406,373	a/ 366,524	a/ 382,831	a/ 381,357
3342901609	Other alarm systems, including electric sirens and horns (marine, industrial, and air raid), and security locking systems.....	19 a/	351,729	a/ 91,146	a/ 86,334	r/a/ 89,368	r/a/ 84,881	22 r/a/	379,560	a/ 93,087	r/ 86,804	r/b/ 107,347	r/b/ 92,322
3342902	Vehicle and pedestrian traffic control equipment, including electric railway signals and attachments.....	(X) b/	1,234,618	b/ 296,024	r/b/ 294,577	r/b/ 332,029	r/b/ 311,988	(X) r/a/	1,239,303	r/a/ 311,355	r/a/ 306,906	r/ 304,649	r/ 316,393
3342903	Intercommunications systems, including inductive paging systems (selective calling) (except telephone and telegraph).....	(X) b/	457,772	b/ 106,186	b/ 129,813	b/ 118,573	a/ 103,200	(X) a/	438,091	a/ 108,691	a/ 117,968	a/ 105,866	a/ 105,566
3344184	Modems, consumer type.....	(X) b/	86,737	b/ 21,245	r/b/ 20,358	r/b/ 22,536	r/b/ 22,598	(X) a/	81,628	a/ 18,139	a/ 17,505	a/ 22,732	a/ 23,252

(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 Telecommunications Equipment: 2008
 [Value in thousands of dollars]

Product code	Product description		Manufacturers' shipments (value f.o.b plant)	Exports of domestic merchandise (value at port) 1/	Imports for consumption (value) 2/ 3/
3342101105, 119, 125, 3342104142 3342107426, 3342107228, 257, 3342203105 3344184100	Wireline and wireless switching equipment.....		(D)	6,823,201	17,729,425
3342107425	Telephone sets, including wireless phone sets, excluding cell phones.....		(D)	443,368	2,219,926
3342203103	Cellular base stations.....		2,029,780	229,816	910,400
3342203107	Cellular handsets (cell phones).....		(D)	1,509,226	31,039,467
3342202116	AM and FM transmitters.....		243,745	(NA)	52,265
3342202118, 143, 144	Television transmission apparatus including cable and closed circuit television.....	b/	1,414,072	527,231	2,309,459
3342209109	Antennae systems, sold separately.....	a/	1,651,833	1,128,156	801,279
3342202107	Audio production equipment for broadcast studios.....	c/	305,383	306,139	512,170
3342901107	Intrusion detection alarm systems.....	c/	122,552	60,423	100,456
3342901111	Fire detection and prevention alarm systems.....	a/	1,615,996	257,176	316,151
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments.....	b/	1,234,618	207,897	299,283
3342903	Intercommunications systems, including inductive paging systems (selective paging) (except telephone and telegraph).....	b/	457,772	763,023	1,811,350

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

(NA) Not available.

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: 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/
3342101105, 119, 125, 3342104142, 3342107426, 3342107228, 257, 3342203105, 3344184100	Wireline and wireless switching equipment.....	8517.62.0010 8517.62.0050	8517.62.0010 8517.62.0050
3342107425	Telephone sets, including wireless phone sets, excluding cell phones.....	8517.11.0000 8517.18.0000 8518.30.1000	8517.11.0000 8517.18.0020 8518.18.0050 8518.30.1000
3342203103	Cellular base stations.....	8517.61.0000	8517.61.0000
3342203107	Cellular handsets (cell phones).....	8517.12.0020 8517.12.0050 8517.12.0080	8517.12.0020 8517.12.0050 8517.12.0080
3342202116	AM and FM transmitters.....	(NA)	8525.50.7010
3342202118, 143, 144	Television transmission apparatus including cable and closed circuit television.....	8525.50.2010 8525.50.2050	8525.50.1000 8525.50.3015 8525.50.3035 8525.50.3040
3342209109	Antennae systems, sold separately.....	8529.10.2020 8529.10.2050 8529.10.2090 8529.10.4000 8529.10.9000	8529.10.2020 8529.10.2050 8529.10.2090 8529.10.4040 8529.10.4080 8529.10.9000
3342202107	Audio production equipment for broadcast studios.....	8518.40.2000	8518.40.2000
3342901107	Intrusion detection alarm systems.....	8531.10.0035	8531.10.0035
3342901111	Fire detection and prevention alarm systems.....	8531.10.0015 8531.10.0025 8531.10.0045	8531.10.0015 8531.10.0025 8531.10.0045
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments.....	8530.10.0000 8530.80.0000 8530.90.0000	8530.10.0000 8530.80.0000 8530.90.0000
3342903	Intercommunications systems, including inductive paging systems (selective paging) (except telephone and telegraph).....	8517.69.000	8517.69.0000

(NA) Not available.

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).

MA36N, Selected Electronics and Associated Products. In 1985, survey MA36N was divided into three annual surveys: MA334P, Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment; MA334Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components; and MA334S, Electromedical Equipment and Irradiation Equipment (Including X-Ray).

Beginning in 2005, data for the MA334P were collected under the title Telecommunications. In 2006, Telecommunications data were collected and published as a quarterly (MQ334P) survey.

Historical Current Industrial Reports data 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>.