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Current Industrial Reports

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NOTE. This publication reflects many changes from the 2006 publications.

"Wireline voice and data network equipment" has changes in the collection of the data. "Routers" are now collapsed instead of being broken out

into consumer (low end), service provider, enterprise, and wireless. Switches are now being presented as "Local Area Network (LAN) switches," "Wide Area Network (WAN) switches," and "Other switches."

"Communications systems and equipment, including microwave equipment and space satellites" is now broken out into three areas: "Wireless networking equipment," "Radio station equipment," and "Other communications systems and equipment." A total is presented for each area.

"Broadcast, studio, and related electronic equipment" now has "AM and FM transmitters," "TV transmitters," and "Other transmission equipment" as separate items. In 2006, transmission equipment was combined with translators, RF power amplifiers, studio transmission links, and related equipment for broadcast.

Import and export data were revised to reflect the simplification of the classification structure.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division, (MCD), Washington, DC 20233-6900, or call Keith McKenzie, 301-763-4777.

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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U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

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

Product class code	Product description	First quarter 2007	Fourth quarter 2006
3342101	Telephone switching and switchboard equipment.....	448.1	456.8
3342104	Carrier line equipment and nonconsumer modems.....	813.9	730.0
3342107	Wireline voice and data network equipment.....	4,789.7	4,854.0
3342203	Wireless networking equipment.....	2,334.3	2,542.0
3342205	Radio station equipment.....	4,302.3	4,478.7
3342209	Other communications systems and equipment.....	1,370.0	1,444.9
3342202	Broadcast, studio, and related electronic equipment.....	751.6	974.4
3342901	Alarm systems, including electric sirens and horns.....	473.0	349.2
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments.....	289.1	276.7
3342903	Intercommunications systems, including inductive paging systems (selective calling) (except telephone and telegraph).....	105.8	126.2
3344184	Modems, consumer type.....	26.3	r/ 20.8

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

Table 2. Value of Shipments of Telecommunication Equipment By Product Code
 [Value in thousands of dollars]

Product code	Product description	No. of cos.	First quarter 2007	Fourth quarter 2006
3342101100	Telephone switching and switchboard equipment.....	56	448,121	456,842
3342101105	Central office switching equipment.....	14	91,071	116,511
3342101119	Private branch exchange switching equipment.....	13	b/ 94,495	98,022
3342101125	Other telephone switching and switchboard equipment.....	28	a/ 234,167	215,059
3342101199	Parts, components, and subassemblies for telephone switching equipment.....	16	c/ 28,388	r/ 27,250
3342104100	Carrier line equipment and nonconsumer modems.....	64	813,921	729,993
3342104112	Multiplex equipment, including channel banks, analog and digital.....	29	a/ 261,931	a/ 241,938
3342104137	All other carrier line equipment.....	26	b/ 164,371	a/ 152,779
3342104142	External modems for POTS, ISDN, DSL, PSTN.....	15	a/ 60,536	a/ 65,385
3342104145	Fiber optic equipment meeting SONET standards.....	11	a/ 176,569	161,137
3342104148	Fiber optic equipment not meeting SONET standards.....	8	a/ 150,514	r/ 108,754
3342107100	Wireline voice and data network equipment.....	121	4,789,667	4,853,980
3342107425	Telephone sets, including wireless phone sets (exclude cell phones).....	24	(D)	b/ 77,388
3342107426	Other public switched telephone network (PSTN) type premise equipment, excluding PBX equipment).....	6	c/ 12,775	c/ 11,138
3342107228	Routers.....	15	1,317,684	(NA)
3342107239	Local Area Network (LAN) switches.....	2	(D)	(NA)
3342107245	Wide Area Network (WAN) switches.....	1	(D)	(NA)
3342107252	Other switches.....	2	(D)	(NA)
3342107462	Voice/call message processing equipment, including answering devices.....	26	(D)	(D)
3342107267	Other data communications equipment, wireline type.....	54	(D)	(D)
3342107499	Parts, components, and subassemblies for wireline voice and data network equipment.....	17	c/ 32,604	c/ 32,651
3342203100	Wireless networking equipment.....	31	2,334,281	2,541,987
3342203103	Cellular base stations.....	4	(D)	(D)
3342203105	Cellular mobile telephone switching equipment.....	9	a/ 195,748	206,376
3342203107	Cellular handsets (cell phones).....	9	1,118,415	(D)
3342203109	Wi-Fi public equipment.....	3	(D)	(D)
3342203111	Wi-Max equipment.....	2	(D)	(D)
3342203113	Other cellular networking equipment.....	14	(D)	345,739
3342205100	Radio station equipment.....	48	4,302,253	4,478,671
3342205104	Space-based (satellite) stations.....	6	1,550,624	r/ 1,748,633
3342205109	Airborne- and marine-based stations.....	11	b/ 383,397	348,860
3342205114	Earth-based (fixed) stations.....	36	780,442	a/ 803,568
3342205116	Earth-based (mobile) systems.....	20	1,587,790	1,557,992
3342909100	Other communication systems and equipment.....	153	1,370,000	1,444,949
3342209101	Checkout, monitoring, evaluation, and other electronic support equipment for communications systems.....	36	a/ 163,923	a/ 134,935
3342209109	Antenna systems, sold separately.....	64	b/ 249,240	r/ 244,722
3342209125	Other communications systems and equipment.....	124	a/ 956,837	1,065,292
3342202100	Broadcast, studio, and related electronic equipment.....	127	751,637	974,418
3342202107	Audio production equipment for broadcast studios.....	38	c/ 93,506	b/ 81,964
3342202113	Video production equipment.....	31	c/ 168,977	b/ 233,470
3342202116	AM and FM transmitters.....	3	54,702	(NA)
3342202118	TV transmitters.....	3	29,693	(NA)
3342202119	Other transmission equipment.....	2	(D)	(NA)
3342202143	Cable television (master antennae and CATV equipment).....	19	56,660	c/ 56,742
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/ 220,102	b/ 241,737

Table 2. Value of Shipments of Telecommunication Equipment By Product Code
 [Value in thousands of dollars]

Product code	Product description	No. of cos.		First quarter 2007		Fourth quarter 2006
3342202155	Other broadcast and antenna equipment.....	32	a/	86,878	r/	86,597
3342202199	Parts and accessories for broadcast, studio, and related electronic equipment, sold separately.....	19		(D)	b/	25,304
3342901100	Alarm systems, including electric sirens and horns.....	64		472,957		349,185
3342901107	Intrusion detection alarm systems.....	27	c/	46,234	b/	44,527
3342901111	Fire detection and prevention alarm systems.....	27	b/	324,185		206,456
3342901609	Other alarm systems, including electric sirens and horns (marine, industrial, and air raid), and security locking systems....	22	b/	102,538	a/	98,202
3342902100	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments.....	33	b/	289,113	a/	276,724
3342903100	Intercommunications systems, including inductive paging systems (selective calling) (except telephone and telegraph).....	30	b/	105,752	b/	126,209
3344184100	Modems, consumer type.....	6	c/	26,281	r/	20,840

D Withheld to avoid disclosing data for individual companies. 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 3. Shipments, Exports, and Imports of Telecommunications Equipment: First Quarter 2007
 [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, 3342107426, 3342107228, 239, 245, 252 3342203105	Wireline and wireless switching equipment.....	(D)	1,086,196	1,888,199
3342104142 3344184100	External modems for POTS, ISDN, DSL, PSTN, and modems, consumer type.....	86,817	66,708	235,398
3342107425	Telephone sets, including wireless phone sets, excluding cell phones.....	(D)	92,660	597,008
3342203103	Cellular base stations.....	(D)	34,299	800,527
3342203107	Cellular handsets (cell phones).....	1,118,415	396,362	5,633,257
3342202116	AM and FM transmitters.....	54,702	(NA)	10,974
3342202118, 143, 144	Television transmission apparatus including cable and closed-circuit television.....	306,455	155,078	347,390
3342209109	Antennae systems, sold separately.....	249,240	316,526	225,757
3342202107	Audio production equipment for broadcast studios.....	93,506	69,056	122,840
3342901107	Intrusion detection alarm systems.....	46,234	21,437	29,893
3342901111	Fire detection and prevention alarm systems.....	324,185	55,621	92,998
3342902100	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments.....	289,113	46,136	56,379
3342903100	Intercommunications systems, including inductive paging systems (selective paging) (except telephone and telegraph).....	105,752	139,506	338,549

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.

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2007

Product code	Product description	Export code 1/	Import code 2/
3342101105, 119, 125, 3342107426, 3342107228, 239, 245, 252 3342203105	Wireline and wireless switching equipment.....	8517.62.0050	8517.62.0050
3342104142 3344184100	External modems for POTS, ISDN, DSL, PSTN, and modems, consumer type.....	8517.62.0010	8517.62.0010
3342104125	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
3342201409	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
3342902100	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
3342903100	Intercommunications systems, including inductive paging systems (selective paging) (except telephone and telegraph).....	8517.69.000	8517.69.000

NA Not available.

1/Source: 2007 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 (2007).