

Appendix table 6-28

Exports and imports of semiconductor products, by region/country/economy: Selected years, 1997–2012

(Millions of current dollars)

Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Exports													
World	164,361	196,081	193,047	243,876	298,305	325,172	375,552	402,688	398,768	357,432	487,800	501,040	486,319
North America													
NAFTA ROW	25,154	32,171	29,544	33,308	32,726	39,561	45,306	44,159	44,655	32,127	38,401	36,336	34,030
Canada	2,693	2,338	2,085	1,534	1,798	2,278	1,820	1,794	2,007	1,893	1,562	2,084	1,847
Mexico	1,521	1,896	1,939	1,758	1,995	1,847	1,778	1,357	1,479	1,754	1,776	1,761	1,730
United States ROW	24,465	31,304	28,765	32,369	31,575	38,315	43,983	43,048	43,341	30,833	37,377	35,127	32,915
Central and South America													
Argentina	1	1	4	1	1	3	2	4	4	2	2	3	3
Brazil	94	149	155	184	166	144	142	54	106	107	139	177	153
Central America	19	219	793	3,709	4,872	3,541	3,622	4,231	4,528	5,281	9,627	15,183	15,841
Chile	1	2	1	2	1	2	2	2	3	5	2	8	9
Colombia	0	0	7	0	1	2	6	1	4	16	4	4	5
Peru	0	0	17	1	0	1	3	1	2	1	2	1	1
Venezuela	1	1	1	0	0	0	1	0	1	1	0	1	1
All others	8	12	20	24	18	22	34	28	30	29	31	25	27
Europe													
EU													
EU ROW	13,729	19,434	17,193	20,106	24,811	23,661	25,639	27,598	28,325	18,814	21,598	22,701	22,311
Austria	957	831	1,060	1,290	1,636	1,637	2,177	2,391	2,672	1,535	2,072	2,430	2,408
Belgium	569	645	950	692	897	973	975	1,222	1,593	914	1,177	1,197	1,129
Czech Republic	99	146	221	520	757	753	911	1,031	1,501	1,420	2,004	2,199	2,275
Denmark	191	117	182	184	252	256	314	422	254	182	189	206	198
Finland	245	366	266	308	541	321	239	274	289	200	243	294	245
France	6,291	6,709	6,249	5,700	6,625	7,155	7,708	7,632	7,340	5,702	7,528	8,216	8,286
Germany	8,072	9,248	11,229	13,744	16,322	16,021	16,935	19,638	22,009	14,988	20,921	21,296	19,432
Hungary	81	100	346	383	475	505	742	649	562	476	684	758	690
Ireland	1,858	2,060	2,781	2,282	3,034	3,201	3,575	4,110	4,432	2,830	2,569	2,128	2,105
Italy	1,808	2,182	2,403	2,905	3,281	2,965	3,119	2,974	2,631	1,937	2,222	2,414	2,313
Netherlands	7,469	7,428	3,460	6,083	9,023	7,612	6,870	7,547	5,473	4,501	5,464	5,314	5,205
Poland	204	243	274	387	420	393	473	451	492	299	442	591	557
Slovakia	29	43	89	179	215	209	241	405	332	333	414	306	337
Spain	559	582	511	556	640	959	675	444	698	842	1,634	1,242	1,226
Sweden	563	493	480	490	556	511	645	760	910	914	1,389	1,622	1,555
United Kingdom	6,199	6,841	9,377	5,366	6,742	7,169	7,000	5,171	4,959	3,785	4,237	3,831	4,087
All others	980	1,422	2,081	3,526	3,788	3,593	4,208	4,465	4,767	2,588	3,229	3,447	3,529
Other Europe													
Norway	30	28	93	79	88	133	256	274	447	403	363	170	134
Russia	81	153	98	114	189	143	158	184	209	186	205	208	177
Switzerland	395	497	531	604	784	869	1,196	952	1,098	980	1,225	1,257	1,008
All others	31	42	79	113	160	262	214	241	292	334	702	689	801

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Exports and imports of semiconductor products, by region/country/economy: Selected years, 1997–2012

(Millions of current dollars)

Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Middle East													
Israel	738	663	1,581	1,239	1,544	954	1,132	1,247	1,286	3,622	2,411	1,702	1,881
Saudi Arabia	4	2	2	5	1	7	7	66	12	8	5	15	13
Turkey	6	12	10	31	27	34	45	46	47	39	55	61	68
United Arab Emirates	11	11	34	32	68	180	95	179	195	53	162	231	239
All others	5	8	10	11	12	14	11	44	9	19	77	71	45
Africa													
Egypt	0	2	8	2	2	3	7	3	70	12	10	8	7
Kenya	1	5	2	3	2	2	3	2	9	22	4	5	6
Morocco	434	610	556	777	1,002	1,083	1,288	1,334	1,144	771	843	947	832
Southern Africa	13	103	46	82	124	125	150	172	217	178	214	204	157
Tunisia	1	8	14	32	48	62	112	149	175	142	153	205	177
All others	6	17	47	16	19	17	14	16	16	38	30	20	19
Asia													
China ROW	8,057	9,418	10,161	16,554	24,983	29,981	38,322	45,037	53,736	49,939	76,031	82,891	82,695
India	113	120	157	207	397	350	386	438	798	742	1,124	749	725
Indonesia	504	598	777	969	1,130	1,121	1,096	1,221	1,247	1,001	1,274	1,324	1,166
Japan	35,852	34,681	31,830	36,374	42,062	41,324	43,242	46,150	46,050	37,640	49,088	46,401	39,469
Malaysia	16,865	17,919	19,183	23,298	25,404	24,536	24,822	27,237	19,744	30,950	35,231	40,155	35,554
Philippines	9,053	13,671	13,929	17,454	19,507	20,262	20,484	21,753	19,302	14,915	22,957	17,476	16,481
Singapore	14,651	15,749	17,484	23,519	30,290	34,622	43,602	47,543	47,447	35,595	58,108	61,175	62,669
South Korea	19,832	22,622	17,585	21,364	27,958	32,083	34,648	36,324	33,061	32,602	47,293	46,688	44,738
Taiwan	13,353	17,086	23,279	34,834	50,647	60,665	77,798	82,874	82,139	78,527	100,919	107,614	109,782
Thailand	3,968	4,397	4,920	7,196	8,558	8,784	10,439	11,988	11,471	11,483	15,078	13,725	12,572
Vietnam	32	26	70	62	80	116	135	120	101	195	479	1,425	1,480
All others	47	49	70	43	82	54	84	54	69	36	2,762	48	47
Australia/Oceania													
Australia	100	99	109	172	209	232	231	281	300	125	158	211	178
New Zealand	18	15	20	34	48	57	71	97	85	63	80	95	76
Pacific Islands	2	2	0	3	2	3	1	3	2	16	2	4	4
Imports													
World	164,361	196,081	193,047	243,876	298,305	325,172	375,552	402,688	398,768	357,432	487,800	501,040	486,319
North America													
NAFTA ROW	39,097	40,776	33,614	27,868	32,936	31,344	33,759	30,267	31,710	26,452	37,553	46,990	47,216
Canada	6,276	6,899	4,424	2,777	3,672	4,267	3,887	3,469	3,825	3,286	4,269	4,670	4,975
Mexico	5,159	6,584	8,147	6,873	8,189	8,320	8,149	5,539	7,637	6,683	9,206	10,097	10,136
United States ROW	31,187	30,661	24,287	20,571	23,716	21,636	23,998	23,300	22,420	18,836	26,392	34,859	34,567
Central and South America													
Argentina	292	174	172	79	175	230	355	355	338	325	406	521	510
Brazil	1,271	1,245	1,676	1,714	2,588	3,640	4,214	1,540	4,902	4,118	5,625	6,002	5,973
Central America	29	813	539	1,336	1,182	1,432	1,949	1,793	1,797	1,473	1,489	1,456	1,749

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Exports and imports of semiconductor products, by region/country/economy: Selected years, 1997–2012

(Millions of current dollars)

Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Chile	20	33	46	69	84	125	143	107	101	94	113	108	101
Colombia	27	19	22	25	47	104	68	88	132	109	111	139	130
Peru	16	12	8	16	25	26	45	42	87	94	117	160	146
Venezuela	34	33	35	14	27	46	38	74	92	103	97	138	191
All others	43	81	74	86	129	230	249	231	236	188	247	228	234
Europe													
EU													
EU ROW	19,636	24,232	23,922	28,944	34,470	33,269	34,176	36,544	41,711	32,265	54,798	50,932	43,918
Austria	1,155	917	1,450	1,350	1,301	1,246	1,819	1,711	1,711	1,328	1,744	1,664	1,625
Belgium	1,440	1,188	1,712	1,379	1,451	1,639	1,896	1,936	2,294	2,437	2,472	3,621	3,465
Czech Republic	148	247	536	1,204	2,199	1,717	1,485	1,802	1,966	2,082	3,511	2,025	1,857
Denmark	841	478	442	491	544	657	1,145	612	564	359	424	519	496
Finland	1,138	953	1,064	1,402	1,840	2,199	2,018	1,852	1,137	785	756	678	666
France	5,377	6,735	6,253	5,644	6,742	6,954	7,354	6,970	7,074	6,110	9,666	10,189	9,113
Germany	8,151	9,801	11,439	12,775	15,954	16,400	18,696	20,225	22,150	19,009	29,137	27,706	24,932
Hungary	381	699	1,328	2,254	3,012	3,350	3,017	3,390	3,164	2,832	3,417	3,481	3,378
Ireland	1,862	2,604	5,388	2,905	3,258	2,922	1,831	1,717	1,467	1,096	973	729	707
Italy	2,917	2,567	2,597	2,991	3,645	3,618	3,854	4,137	4,970	4,986	13,999	11,940	9,450
Netherlands	5,473	5,555	3,372	7,868	8,792	7,899	5,749	5,435	3,729	3,725	5,720	5,975	5,998
Poland	329	435	603	1,001	1,367	1,260	1,595	1,367	1,236	1,100	1,589	1,640	1,502
Slovakia	89	96	166	334	425	674	528	553	659	662	1,352	1,465	1,435
Spain	1,156	1,345	1,400	1,674	1,883	1,895	3,005	4,971	10,327	2,429	3,217	2,177	1,970
Sweden	1,584	1,192	996	981	1,324	1,300	1,606	1,714	1,965	1,810	3,619	2,410	2,074
United Kingdom	8,019	7,599	7,610	6,157	7,816	6,692	5,611	5,393	4,868	3,582	4,202	4,665	4,052
All others	2,021	1,844	2,333	3,024	3,310	3,422	4,133	4,746	5,020	2,565	3,819	4,839	4,465
Other Europe													
Norway	161	162	201	185	214	237	286	316	352	260	310	283	303
Russia	164	145	224	600	875	816	633	654	778	532	837	918	1,041
Switzerland	505	656	811	685	965	981	1,149	1,069	1,329	1,063	1,323	1,468	1,354
All others	127	104	194	295	464	520	463	584	636	623	717	1,049	990
Middle East													
Israel	245	407	701	525	978	904	891	792	933	847	1,152	1,738	2,441
Saudi Arabia	14	36	41	46	61	75	88	138	71	65	114	164	190
Turkey	590	643	703	1,418	2,047	1,566	1,428	1,144	1,156	721	811	906	856
United Arab Emirates	49	60	119	219	438	466	297	291	408	322	352	259	348
All others	127	203	235	250	347	307	226	302	388	217	279	197	206
Africa													
Egypt	64	71	93	66	75	105	92	101	141	124	153	127	136
Kenya	5	7	12	20	23	32	25	38	38	38	45	32	35
Morocco	259	368	269	403	465	457	597	532	481	341	460	399	405
Southern Africa	181	216	216	251	359	334	373	417	424	377	501	522	505

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Exports and imports of semiconductor products, by region/country/economy: Selected years, 1997–2012

(Millions of current dollars)

Region/country/economy	1997	1999	2001	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Tunisia	35	19	28	41	62	93	208	372	488	415	577	678	755
All others	70	97	111	185	235	271	310	413	476	493	459	493	532
Asia													
China ROW	18,040	22,427	30,482	57,600	79,170	98,748	122,599	145,418	143,401	142,920	187,658	196,366	194,440
India	458	503	637	889	1,288	1,450	1,836	2,306	2,615	3,098	3,858	5,340	6,859
Indonesia	780	756	809	897	1,229	911	767	949	1,799	1,451	1,857	2,021	2,044
Japan	9,322	11,599	13,793	15,174	18,240	18,847	21,669	21,450	21,147	16,475	21,213	19,709	20,024
Malaysia	15,325	17,320	17,164	21,126	21,409	22,447	26,176	27,377	21,351	18,649	28,916	25,862	23,956
Philippines	8,028	10,468	10,472	12,037	12,781	12,507	14,925	14,858	13,078	9,006	12,328	9,492	9,131
Singapore	17,989	19,525	18,673	22,422	29,092	33,550	41,226	43,165	38,659	33,892	47,257	45,659	43,944
South Korea	11,043	15,173	14,524	19,683	22,246	23,155	24,519	27,400	28,746	25,042	28,368	29,381	28,588
Taiwan	14,119	16,213	15,057	20,529	23,625	25,742	28,408	28,678	27,028	24,158	32,528	33,956	29,851
Thailand	5,146	5,526	6,310	6,651	8,478	8,625	9,641	10,728	9,424	8,583	11,544	11,750	11,128
Vietnam	210	238	294	178	276	346	484	751	770	1,047	1,321	2,693	3,055
All others	71	88	119	175	214	260	292	319	386	321	418	518	513
Australia/Oceania													
Australia	652	662	561	740	886	820	784	867	899	950	1,724	2,219	2,364
New Zealand	66	69	63	93	69	127	129	147	126	98	130	124	118
Pacific Islands	7	11	6	7	10	10	15	18	120	64	25	23	25

EU = European Union; NAFTA = North American Free Trade Agreement; ROW = rest of the world.

NOTES: ROW is trade between a named region/country/economy and the rest of the world. Data are not available for EU member Luxembourg. China includes Hong Kong. Detail may not add to total because of rounding. See appendix table 6-32 for a full list of countries/economies in each region.

SOURCE: IHS Global Insight, special tabulations (2013) of the World Trade Service database.