

## IT Hardware & Electronics: Industry, Process & Benchmarking Country Selection

IT Hardware and Electronics sector include Communication & Broadcasting Equipment, Consumer Electronics, Industrial Electronics, Computer hardware and Electronic Components.

Segments selected for benchmarking under IT Hardware & Electronics Sector includes **Communication & Broadcasting Equipment and Electronic Components**. Communication and Broadcasting Equipment showed the highest exports CAGR of 95% among all the segments. Electronic Components contributed maximum i.e. 37.5% to India's IT Hardware and Electronic sector exports of US\$ 5.4 billion in 2010 followed by Communication & Broadcasting Equipment at 30.1%.

Countries selected for benchmarking include **China and Mexico** for Communication and Broadcasting Equipment. China has a very high share in world segment exports(31%) whereas Mexico scores highly in percentage share in country's sectors' exports (70%) and shows high growth in exports over the last 5 years.

In Electronic Components, countries selected for benchmarking are **China, Singapore and Taiwan**. All these countries rank very high in Electronic Components contribution to their total sector exports as well as their contribution to world exports.

SEGMENTS	India's Exports (US\$ million)				
	2005-06	2006-07	2007-08	2008-09	2009-10
Communication & Broadcast Equipment	113	143	155	2,683	1,646
Electronic Component	858	1,291	1,518	2,294	2,047
Consumer Electronics	452	331	398	568	6,33
Industrial Electronics	519	662	967	918	739
Computer Hardware	232	331	246	361	401

Source: Department of IT

Segments	World Segment exports (US\$ mn.)	India's contribution in world segment exports	CAGR of Indian Segment exports (2005-10)	Percentage Contribution to India's total IT Hardware & Electronics Exports
Communication & Broadcast Equipment	580,000	0.28%	95.40%	30.12%
Electronic Component	479,417	0.43%	24.28%	37.45%
Consumer Electronics	212,000	0.30%	8.81%	11.58%
Industrial Electronics	166,000	0.45%	9.20%	13.51%
Computer Hardware	544,000	0.07%	14.72%	7.34%

Source: Department of IT, D&B Analysis

### World Export Scenario for the selected segments

Electronic Components						
Country	Exports data for Electronic Components segment		Exports data for IT Hardware & Electronics Sector	Electronic Component Exports as % of country's IT Hardware & Electronics Exports	Countries Electronic Components exports as % of world Electronic Components exports	CAGR of exports (2005-10)
	US\$ million					
	2005	2010	2010			
China	20,413	62,969	4,49,395	14.01%	13.13%	25.27%
Singapore	53,866	86,392	1,27,051	68.00%	18.02%	9.91%
Taiwan	30,086	55,961	81,290	68.84%	11.67%	13.22%
Hong Kong, China	30,590	64,156	1,72,770	37.13%	13.38%	15.97%
Korea, Republic of	27,488	43,291	96,584	44.82%	9.03%	9.51%
Japan	39,885	47,382	92,561	51.19%	9.88%	3.50%
Norway	122	379	1,902	19.94%	0.08%	25.37%
Malaysia	23,759	30,474	67,242	45.32%	6.36%	5.10%
Philippines	15,005	16,546	27,966	59.17%	3.45%	1.97%
United States	48,240	47,465	1,34,562	35.27%	9.90%	-0.32%
Germany	16,363	20,655	69,238	29.83%	4.31%	4.77%
Spain	1,277	1,854	5,546	33.43%	0.39%	7.74%
Thailand	6,538	9,384	36,024	26.05%	1.96%	7.49%
France	8,127	8,871	22,753	38.99%	1.85%	1.77%
Russian Federation	123	209	1,429	14.62%	0.04%	11.16%
Turkey	25	42	2,076	2.01%	0.01%	10.42%
Netherlands	11,525	12,225	95,008	12.87%	2.55%	1.19%
Italy	3,258	2,474	9,552	25.90%	0.52%	-5.36%
Indonesia	1,025	924	7,065	13.08%	0.19%	-2.06%
Brazil	171	159	2,061	7.72%	0.03%	-1.46%
Mexico	2,233	2,138	60,432	3.54%	0.45%	-0.87%
Canada	2,609	1,822	10,682	17.05%	0.38%	-6.93%
United Kingdom	7,545	4,133	24,033	17.20%	0.86%	-11.34%

Source: ITC, D&B Analysis



Communication & Broadcast Equipment						
Country	Exports data for Communication & Broadcast Equipment segment		Exports data for IT Hardware & Electronics Sector	Communication & Broadcast Equipment Exports as % of country's IT Hardware & Electronics Exports	Countries Communication & Broadcast Equipment exports as % of world Electronic Components exports	CAGR of exports (2005-10)
	US\$ million					
	2005	2010	2010			
China	94,856	1,80,434	4,49,395	40.15%	31.10%	13.72%
Mexico	24,186	42,345	60,432	70.07%	7.30%	11.85%
Hong Kong, China	41,868	64,890	1,72,770	37.56%	11.19%	9.16%
Singapore	15,584	10,961	1,27,051	8.63%	1.89%	-6.80%
Russian Federation	256	1,054	1,429	73.76%	0.18%	32.68%
Portugal	1,301	1,663	2,023	82.19%	0.29%	5.03%
Indonesia	3,026	4,645	7,065	65.74%	0.80%	8.95%
Netherlands	17,922	33,628	95,008	35.39%	5.80%	13.41%
Norway	884	1,116	1,902	58.67%	0.19%	4.76%
United States	30,536	41,298	1,34,562	30.69%	7.12%	6.22%
Turkey	3,119	1,895	2,076	91.30%	0.33%	-9.48%
Saudi Arabia, Kingdom of	61	80	168	47.79%	0.01%	5.76%
Korea	37,746	38,419	96,584	39.78%	6.62%	0.35%
United Arab Emirates	3,738	3,121	4,922	63.41%	0.54%	-3.54%
Australia	654	815	2,045	39.84%	0.14%	4.50%
Italy	5,447	4,912	9,552	51.42%	0.85%	-2.05%
Thailand	5,811	8,261	36,024	22.93%	1.42%	7.29%
Canada	7,353	5,846	10,682	54.72%	1.01%	-4.48%
Taipei, Chinese	11,563	14,646	81,290	18.02%	2.52%	4.84%
Brazil	3,069	1,515	2,061	73.49%	0.26%	-13.17%
Malaysia	13,412	13,065	67,242	19.43%	2.25%	-0.52%
Germany	30,147	21,432	69,238	30.95%	3.69%	-6.60%
Japan	33,648	24,454	92,561	26.42%	4.22%	-6.18%
Spain	4,141	2,541	5,546	45.81%	0.44%	-9.31%
France	12,594	8,085	22,753	35.53%	1.39%	-8.48%
Philippines	970	1,122	27,966	4.01%	0.19%	2.96%
United Kingdom	26,879	10,997	24,033	45.76%	1.90%	-16.37%

Source: ITC, D&B Analysis