



APPENDIX TABLE 6-15

Value added of computers and office machinery, by region, country, or economy: 2001–16

(Millions of current dollars)

| Region, country, or economy | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------------------------|---------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|---------|---------|--------|--------|--------|
| World | 106,840 | 92,898 | 96,516 | 95,191 | 98,435 | 100,964 | 104,829 | 108,734 | 94,512 | 94,194 | 89,702 | 101,775 | 103,721 | 99,569 | 91,697 | 87,919 |
| North America | | | | | | | | | | | | | | | | |
| Canada | 885 | 912 | 1,090 | 1,151 | 1,101 | 991 | 810 | 703 | 608 | 706 | 690 | 587 | 507 | 429 | 493 | 435 |
| Mexico | 6,161 | 5,149 | 3,141 | 2,436 | 2,750 | 3,136 | 3,048 | 2,080 | 1,374 | 1,431 | 1,449 | 1,512 | 1,553 | 2,129 | 2,079 | 1,805 |
| United States | 34,091 | 33,288 | 35,879 | 33,885 | 36,725 | 39,846 | 38,510 | 41,527 | 38,708 | 31,202 | 24,658 | 28,012 | 31,235 | 30,900 | 30,106 | 28,753 |
| Central and South America | | | | | | | | | | | | | | | | |
| Argentina | 21 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 7 | 7 | 6 | 5 | 4 | 3 |
| Bolivia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 1,663 | 826 | 811 | 771 | 1,021 | 1,405 | 1,912 | 2,822 | 2,152 | 2,553 | 2,489 | 2,591 | 2,238 | 2,077 | 744 | 577 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colombia | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 7 | 6 |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ecuador | 88 | 95 | 99 | 104 | 100 | 104 | 107 | 126 | 147 | 151 | 160 | 180 | 195 | 242 | 239 | 219 |
| Honduras | 15 | 16 | 16 | 17 | 18 | 20 | 22 | 23 | 25 | 24 | 28 | 30 | 28 | 30 | 30 | 29 |
| Panama | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 66 | 158 | 223 | 287 | 334 | 383 | 442 | 536 | 423 | 558 | 533 | 740 | 818 | 771 | 679 | 629 |



| Region, country, or economy | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------------------------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Uruguay | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 5 | 5 | 6 | 7 | 8 | 8 | 11 | 9 | 8 |
| Venezuela | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 |
| Europe | | | | | | | | | | | | | | | | |
| EU | 10,424 | 9,672 | 10,905 | 13,567 | 14,019 | 13,353 | 14,600 | 13,364 | 9,110 | 9,448 | 9,230 | 8,929 | 8,478 | 8,900 | 7,208 | 6,463 |
| Austria | 53 | 65 | 71 | 56 | 92 | 93 | 87 | 74 | 71 | 86 | 83 | 76 | 81 | 82 | 72 | 76 |
| Belgium | 60 | 60 | 73 | 87 | 84 | 88 | 133 | 168 | 180 | 199 | 207 | 187 | 178 | 173 | 146 | 144 |
| Bulgaria | 14 | 11 | 7 | 5 | 4 | 4 | 6 | 7 | 3 | 4 | 4 | 6 | 5 | 5 | 4 | 4 |
| Czech Republic | 84 | 41 | 96 | 71 | 99 | 106 | 128 | 170 | 207 | 223 | 241 | 168 | 190 | 223 | 191 | 188 |
| Denmark | 89 | 93 | 111 | 102 | 109 | 109 | 104 | 82 | 102 | 110 | 110 | 108 | 97 | 99 | 93 | 92 |
| Finland | 20 | 13 | 19 | 24 | 24 | 33 | 38 | 36 | 27 | 27 | 19 | 16 | 16 | 16 | 14 | 14 |
| France | 630 | 687 | 946 | 778 | 583 | 468 | 564 | 539 | 458 | 382 | 400 | 326 | 264 | 176 | 117 | 100 |
| Germany | 2,372 | 2,613 | 3,328 | 4,179 | 3,848 | 3,723 | 4,799 | 4,393 | 1,982 | 2,352 | 2,688 | 2,561 | 2,287 | 2,370 | 1,222 | 1,058 |
| Greece | 283 | 180 | 174 | 192 | 107 | 69 | 39 | 21 | 15 | 16 | 14 | 16 | 16 | 16 | 15 | 14 |
| Hungary | 145 | 111 | 279 | 443 | 511 | 337 | 242 | 274 | 194 | 223 | 204 | 142 | 133 | 131 | 123 | 124 |
| Ireland | 1,209 | 833 | 1,318 | 1,683 | 1,603 | 1,536 | 1,429 | 1,252 | 844 | 360 | 300 | 380 | 329 | 332 | 555 | 632 |
| Italy | 774 | 470 | 518 | 740 | 699 | 761 | 824 | 828 | 509 | 558 | 163 | 105 | 56 | 61 | 50 | 46 |
| Netherlands | 303 | 219 | 198 | 234 | 236 | 232 | 226 | 211 | 175 | 204 | 232 | 205 | 205 | 210 | 162 | 161 |
| Poland | 171 | 189 | 213 | 244 | 204 | 192 | 246 | 273 | 228 | 215 | 245 | 194 | 172 | 179 | 140 | 136 |
| Portugal | 22 | 25 | 30 | 32 | 32 | 33 | 38 | 38 | 62 | 51 | 47 | 34 | 50 | 43 | 21 | 20 |



| Region, country, or economy | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Romania | 31 | 20 | 31 | 39 | 27 | 41 | 49 | 41 | 17 | 17 | 15 | 11 | 8 | 6 | 5 | 4 |
| Slovakia | 10 | 14 | 18 | 30 | 32 | 19 | 28 | 34 | 21 | 33 | 22 | 43 | 37 | 41 | 35 | 34 |
| Spain | 383 | 261 | 214 | 175 | 169 | 186 | 235 | 209 | 166 | 175 | 139 | 127 | 102 | 97 | 76 | 68 |
| Sweden | 128 | 165 | 216 | 314 | 243 | 226 | 238 | 223 | 189 | 247 | 264 | 242 | 234 | 212 | 203 | 192 |
| United Kingdom | 3,643 | 3,602 | 3,045 | 4,140 | 5,316 | 5,097 | 5,147 | 4,493 | 3,659 | 3,968 | 3,835 | 3,983 | 4,017 | 4,427 | 3,964 | 3,355 |
| Other Europe | | | | | | | | | | | | | | | | |
| Norway | 29 | 11 | 30 | 20 | 24 | 13 | 17 | 17 | 14 | 14 | 15 | 14 | 14 | 14 | 12 | 11 |
| Russia | 118 | 88 | 57 | 93 | 150 | 230 | 387 | 373 | 399 | 498 | 608 | 830 | 745 | 569 | 266 | 241 |
| Switzerland | 440 | 288 | 268 | 301 | 323 | 335 | 390 | 522 | 468 | 493 | 585 | 545 | 541 | 537 | 478 | 407 |
| Turkey | 121 | 117 | 147 | 151 | 156 | 117 | 94 | 90 | 43 | 114 | 147 | 231 | 257 | 265 | 236 | 218 |
| Ukraine | 28 | 34 | 43 | 39 | 47 | 58 | 73 | 77 | 38 | 63 | 64 | 60 | 108 | 59 | 9 | 11 |
| Middle East | | | | | | | | | | | | | | | | |
| Bahrain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 18 | 23 | 18 | 36 | 42 | 34 | 40 | 70 | 218 | 163 | 249 | 187 | 141 | 154 | 147 | 154 |
| Israel | 229 | 170 | 181 | 169 | 152 | 180 | 216 | 243 | 248 | 230 | 216 | 136 | 132 | 136 | 126 | 125 |
| Jordan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 7 | 11 | 14 | 20 | 20 | 11 | 17 | 19 | 22 | 29 | 35 | 48 | 53 | 47 | 29 | 27 |
| Oman | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 10 | 19 | 9 | 9 | 8 | 7 | 6 |
| Qatar | 3 | 4 | 5 | 1 | 7 | 9 | 25 | 22 | 17 | 86 | 122 | 151 | 156 | 164 | 151 | 145 |



| Region, country, or economy | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Saudi Arabia | 85 | 92 | 119 | 137 | 176 | 215 | 261 | 271 | 300 | 412 | 484 | 530 | 536 | 614 | 455 | 395 |
| United Arab Emirates | 47 | 49 | 52 | 58 | 65 | 73 | 79 | 92 | 79 | 85 | 99 | 109 | 114 | 116 | 102 | 99 |
| Africa | | | | | | | | | | | | | | | | |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Egypt | 6 | 6 | 5 | 6 | 7 | 8 | 10 | 13 | 14 | 18 | 21 | 23 | 18 | 19 | 20 | 20 |
| Ghana | 7 | 8 | 10 | 11 | 13 | 15 | 16 | 16 | 13 | 16 | 19 | 18 | 18 | 16 | 13 | 14 |
| Kenya | 4 | 7 | 8 | 9 | 10 | 25 | 14 | 13 | 12 | 8 | 8 | 10 | 11 | 12 | 12 | 13 |
| Morocco | 54 | 61 | 74 | 88 | 115 | 122 | 112 | 104 | 113 | 126 | 139 | 127 | 198 | 252 | 226 | 211 |
| Nigeria | 64 | 85 | 90 | 101 | 120 | 142 | 155 | 168 | 171 | 183 | 188 | 203 | 222 | 229 | 210 | 157 |
| Senegal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Africa | 5 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 10 | 12 | 10 | 11 | 11 | 10 | 9 | 8 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| Asia | | | | | | | | | | | | | | | | |
| Bangladesh | 10 | 11 | 11 | 11 | 11 | 11 | 9 | 9 | 9 | 10 | 9 | 9 | 8 | 8 | 10 | 10 |
| China | 5,413 | 6,222 | 9,800 | 11,965 | 13,544 | 15,211 | 19,752 | 21,377 | 18,504 | 18,294 | 25,149 | 29,753 | 32,241 | 30,426 | 32,168 | 32,239 |
| India | 558 | 581 | 683 | 718 | 495 | 474 | 527 | 440 | 527 | 658 | 530 | 498 | 384 | 260 | 212 | 187 |
| Indonesia | 1 | 1 | 7 | 6 | 61 | 98 | 117 | 134 | 133 | 158 | 92 | 89 | 167 | 167 | 158 | 161 |
| Japan | 31,307 | 19,077 | 16,531 | 15,085 | 13,295 | 10,704 | 9,239 | 10,675 | 10,537 | 13,625 | 8,163 | 11,004 | 8,207 | 5,864 | 2,984 | 3,223 |
| Malaysia | 2,075 | 2,072 | 2,563 | 2,837 | 2,490 | 2,865 | 3,304 | 2,997 | 1,616 | 1,728 | 2,203 | 2,678 | 2,820 | 2,703 | 2,263 | 2,183 |



| Region, country, or economy | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Pakistan | 7 | 7 | 10 | 14 | 16 | 17 | 19 | 22 | 18 | 21 | 27 | 28 | 27 | 30 | 30 | 31 |
| Philippines | 528 | 384 | 488 | 535 | 657 | 709 | 1,012 | 549 | 427 | 362 | 335 | 448 | 449 | 501 | 386 | 409 |
| Singapore | 3,993 | 3,969 | 3,416 | 3,540 | 3,207 | 2,717 | 2,274 | 2,919 | 2,737 | 4,267 | 3,614 | 3,952 | 4,346 | 3,839 | 3,001 | 2,658 |
| South Korea | 3,269 | 3,171 | 3,083 | 1,156 | 1,448 | 1,644 | 1,714 | 1,182 | 1,107 | 1,449 | 1,568 | 1,341 | 1,386 | 1,622 | 1,182 | 1,035 |
| Sri Lanka | 11 | 13 | 15 | 16 | 21 | 138 | 70 | 38 | 38 | 39 | 47 | 47 | 54 | 64 | 67 | 65 |
| Taiwan | 4,787 | 5,943 | 6,276 | 5,495 | 5,258 | 5,067 | 4,826 | 4,450 | 3,601 | 4,143 | 4,795 | 4,567 | 4,240 | 4,372 | 4,384 | 3,800 |
| Thailand | 31 | 38 | 58 | 70 | 102 | 119 | 166 | 194 | 222 | 254 | 207 | 201 | 179 | 183 | 123 | 105 |
| Vietnam | 60 | 55 | 76 | 84 | 105 | 141 | 170 | 184 | 90 | 280 | 373 | 429 | 576 | 549 | 414 | 421 |
| Australia and Oceania | | | | | | | | | | | | | | | | |
| Australia | 95 | 158 | 177 | 154 | 168 | 167 | 196 | 202 | 164 | 209 | 254 | 840 | 230 | 211 | 168 | 163 |
| New Zealand | 18 | 19 | 25 | 31 | 36 | 34 | 48 | 40 | 30 | 39 | 41 | 40 | 41 | 42 | 35 | 35 |

EU = European Union.

Note(s)

Value added is the amount contributed by a country, firm, or other entity to the value of a good or service and excludes purchases of domestic and imported materials and inputs. Data are not available for EU members Cyprus, Estonia, Latvia, Lithuania, Luxembourg, Malta, and Slovenia. China includes Hong Kong. Detail may not add to total because of rounding or minor discrepancies. See Appendix Table 6-1 for a full list of countries and economies in each region.

Source(s)

IHS Global Insight, World Industry Service database, accessed 17 July 2017.

Science and Engineering Indicators 2018