

B ICT expenditures

The **Statistical Classification of Products by Activity in the European Economic Community, 2008 version (CPA 2008)** is used to identify appropriate products for measuring ICT related expenditures including investments. ICT products can be classified into two main categories based on the following CPA 2008 divisions and groups:

- **ICT equipment:**
 - Computers and peripheral equipment (262)
 - Communication equipment (263)
 - *Other electronic and optical devices (261, 264 - 267)*
- **ICT services:**
 - Telecommunications services (61)
 - Computer programming, consultancy and related services (62)

*Since expenditure data, except for investment, from the **National Accounts Statistics** as main data source for this chapter, is available only at 2-digit level of CPA classification, category 'ICT equipment' includes the entire CPA section 26 (Computer, electronic and optical devices). For the same reason, expenditures on IT services do not include the following CPA groups: Software publishing (582), Data processing, hosting and related services, web portals (631) and Repair services of computers and communication equipment (951), which are in other statistics part of IT services.*

ICT expenditure by type of **supply** includes domestic production (P.1 minus export P.6), imports (P.7) and others (trade and transport margins, taxes and subsidies on products).

ICT expenditure by type of **use** includes intermediate consumption (P.2), final consumption (P.3), gross fixed capital formation (investment P.51) and changes in inventories (P.52).

Intermediate consumption (P.2) consists of the value of the goods and services consumed as inputs by a process of production, excluding fixed assets. The goods and services may be either transformed or used up by the production process. Intermediate consumption excludes items treated as gross capital formation (investment). *Households do not make intermediate consumption but only final consumption expenditures.*

Final consumption expenditure (P3) consists of expenditure on goods or services that are used for the direct satisfaction of individual needs or wants or the collective needs of members of the community (**mainly households**). *Corporations do not make final consumption expenditures. Their purchases of the same kind of goods or services as used by households for final consumption are used for intermediate consumption. Households' consumption expenditures on IT services (software) are included under ICT equipment.*

ICT investment refers here to the Gross fixed capital formation (GFCF) and covers the acquisition of equipment and computer software used in production for more than one year. ICT has three components: IT equipment (computers and related hardware: CPA 262); communication equipment (CPA 263) and software (CPA 582 and 62). *Households do not make investment but only final consumption expenditures. None expenditures for Telecommunications services (CPA 61) can be considered as investment.*

Software includes acquisition of pre-packaged software, customized software and software developed in-house.

The data come from the **Annual National Accounts Statistics** of the Czech Statistical Office. **2011 data are preliminary**. For more information see: http://apl.czso.cz/pll/rocenka/rocenka.indexnu_en

B ICT expenditures

Table B1 Total ICT expenditure in the Czech Republic

CZK million

	2009	2010	2011
Total	616 273	678 942	659 341
ICT and other* electronic equipment	342 713	405 562	380 299
Telecommunication services	147 364	141 987	133 839
IT services**	126 196	131 393	145 203
Type of resources (supply side)			
Domestic output***	229 387	243 264	241 904
Imports	315 233	360 376	344 330
Others (trade margins, taxes, subsidies)	71 653	75 302	73 107
Type of expenditures (user side)			
Investment	102 188	103 773	106 669
Changes in inventories	3 946	1 239	-792
Households final consumption	97 282	97 339	93 367
Intermediate consumption	412 857	476 591	460 097

* Measuring, testing, navigating, optical and electromedical equipment

** Computer programming, consultancy and related services

***Excluding domestic production intended for exports

Figure B1 Total ICT expenditure (CZK billion)

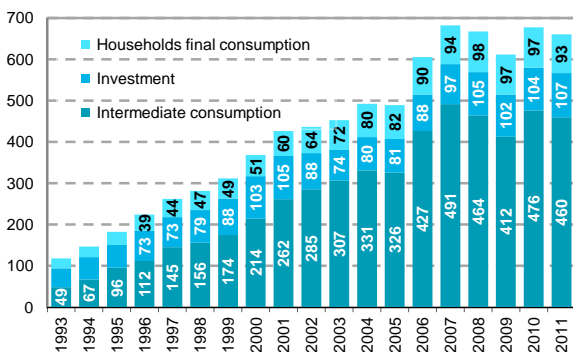
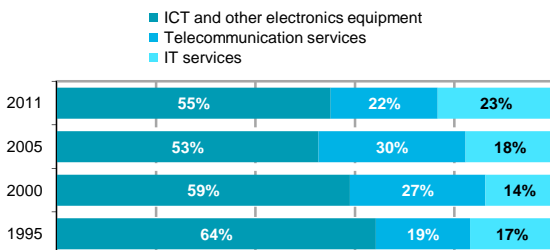


Figure B2 ICT expenditure by main categories of products



Source: CZSO, Annual National Accounts Statistics - Supply and use tables

B ICT expenditures

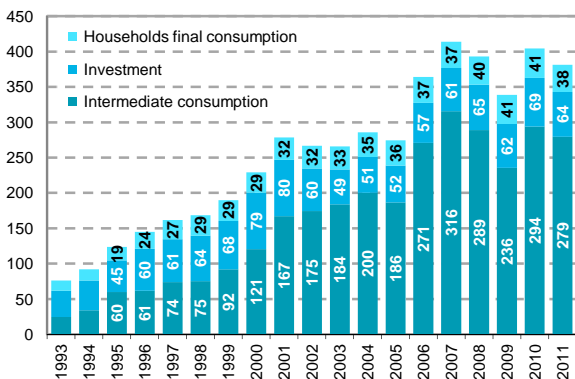
Table B2 Expenditure on ICT equipment in the Czech Republic

CZK million

	2009	2010	2011
Total	342 713	405 562	380 299
Type of resources (supply side)			
Domestic output*	12 656	24 794	19 058
Imports	287 243	334 766	318 780
Others (trade margins, taxes, subsidies)	42 814	46 002	42 461
Type of expenditures (user side)			
Investment, total	62 027	68 815	63 503
<i>thereof into IT equipment (CPA 262)</i>	26 914	28 786	30 763
Changes in inventories	3 946	1 239	-792
Households final consumption	40 897	41 477	38 348
Intermediate consumption, total	235 843	294 031	279 240
By Industry (CZ-NACE Sections):			
Agriculture, forestry and fishing	181	271	285
Mining and quarrying	115	163	158
Manufacturing, total	200 586	250 903	240 582
<i>thereof ICT manufacturing</i>	168 820	205 179	196 078
Electricity, gas and water supply	341	524	419
Construction	4 453	5 480	4 900
Wholesale and retail trade	2 245	3 331	2 930
Transportation and storage	1 881	2 486	2 285
Accommodation and food service activ.	2 487	2 881	2 437
Information and communication	10 323	11 686	10 527
Financial and insurance activities	2 134	3 059	2 880
Real estate activities	247	375	355
Profess., scientific and technical activ.	4 085	4 565	4 202
Administrative and support service activ.	408	432	414
Public administration and defence	1 198	1 887	1 582
Education	2 870	2 948	2 635
Human health and social work activities	1 363	1 776	1 538
Other community, social services	926	1 264	1 111

*Excluding domestic production intended for exports

Figure B3 Expenditure on ICT equipment (CZK billion)



Source: CZSO, Annual National Accounts Statistics - Supply and use tables

B ICT expenditures

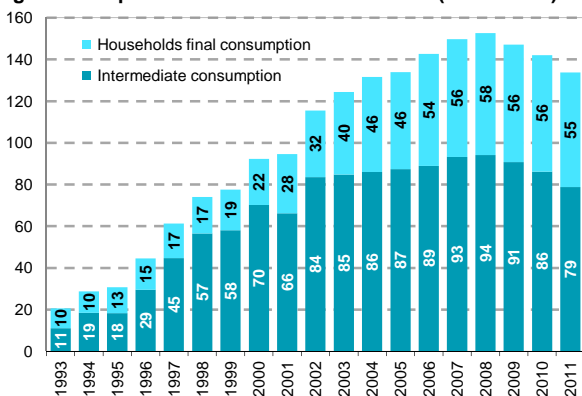
Table B3 Expenditure on Telecommunication services in CR

CZK million

	2009	2010	2011
Total	147 364	141 987	133 839
Type of resources (supply side)			
Domestic output*	125 777	120 673	112 787
Imports	10 942	10 490	10 470
Others (trade margins, taxes, subsidies)	10 645	10 824	10 582
Type of expenditures (user side)			
Investment			
Households final consumption	56 385	55 862	55 019
Intermediate consumption, total	90 979	86 125	78 820
By Industry (CZ-NACE Sections):			
Agriculture, forestry and fishing	551	568	610
Mining and quarrying	71	81	69
Manufacturing	5 322	5 590	5 464
Electricity, gas and water supply	1 108	1 168	1 090
Construction	2 237	1 999	1 794
Wholesale and retail trade	6 657	7 107	7 025
Transportation and storage	3 169	3 293	2 960
Accommodation and food service activ.	2 201	1 880	1 721
Information and communication, total	44 821	39 935	36 131
Telecommunications (CZ-NACE 61)	32 583	36 201	32 583
Financial and insurance activities	2 502	2 586	2 592
Real estate activities	2 000	2 129	1 969
Professional, scientific and technical activ.	4 974	4 712	4 376
Administrative and support service activ.	1 212	1 045	1 012
Public administration and defence	10 761	10 524	8 870
Education	1 017	1 057	940
Human health and social work activities	1 044	1 128	987
Other community, social services	1 332	1 323	1 210

* Excluding domestic production intended for exports

Figure B4 Expenditure on telecomm. services (CZK billion)



Source: CZSO, Annual National Accounts Statistics - Supply and use tables

B ICT expenditures

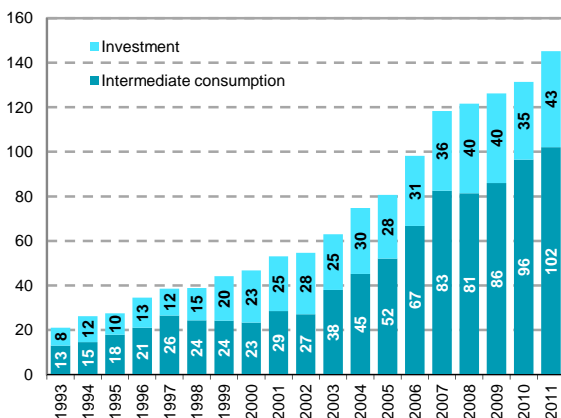
Table B4 Expenditure on IT services in the Czech Republic

CZK million

	2009	2010	2011
Total	126 196	131 393	145 203
Type of resources (supply side)			
Domestic output*	90 954	97 797	110 059
Imports	17 048	15 120	15 080
Others (trade margins, taxes, subsidies)	18 194	18 476	20 064
Type of expenditures (user side)			
Investment	40 161	34 958	43 166
Households final consumption			
Intermediate consumption, total	86 035	96 435	102 037
By Industry (CZ-NACE Sections):			
Agriculture, forestry and fishing	196	230	277
Mining and quarrying	44	57	48
Manufacturing	9 210	11 299	11 662
Electricity, gas and water supply	686	664	666
Construction	1 066	1 112	1 085
Wholesale and retail trade	7 235	8 924	10 259
Transportation and storage	1 713	2 014	2 007
Accommodation and food service activ.	298	292	292
Information and communication, total	34 817	37 862	40 787
<i>thereof IT services (CZ-NACE 62)</i>	<i>28 502</i>	<i>30 648</i>	<i>33 972</i>
Financial and insurance activities	13 503	16 792	17 319
Real estate activities	1 446	1 784	1 888
Professional, scientific and technical activ.	6 127	6 508	6 670
Administrative and support service activ.	1 430	1 400	1 517
Public administration and defence	3 212	1 721	1 589
Education	1 399	1 445	1 488
Human health and social work activities	624	741	720
Other community, social services	3 029	3 590	3 763

* Excluding domestic production intended for exports

Figure B5 Expenditure on IT services (CZK billion)



Source: CZSO, Annual National Accounts Statistics - Supply and use tables

B ICT expenditures

Table B5 Total ICT investment in the Czech Republic

CZK million

	2009	2010	2011
Total	83 113	83 063	83 788
ICT equipment	41 018	45 414	38 376
Telecommunication services			
Software	42 095	37 649	45 412
Industry (CZ-NACE section)			
Agriculture, forestry and fishing	367	405	440
Mining and quarrying	163	396	369
Manufacturing	8 360	7 542	8 209
Electricity, gas and water supply	2 761	3 820	2 536
Construction	1 123	1 876	1 582
Wholesale and retail trade	6 369	6 935	7 151
Transportation and storage	4 246	2 637	3 744
Accommodation and food service activ.	387	463	589
Information and communication, total	26 683	28 848	20 916
<i>thereof ICT services (CZ-NACE 61+62)</i>	<i>23 050</i>	<i>25 246</i>	<i>n.a.</i>
Financial and insurance activities	8 440	9 103	12 153
Real estate activities	624	1 668	849
Professional, scientific and technical activ.	6 117	5 680	9 028
Administrative and support service activ.	2 398	1 495	2 781
Public administration and defence	9 689	6 885	7 344
Education	2 171	1 918	2 568
Human health and social work activities	1 466	1 578	1 503
Other community, social services	1 749	1 814	2 026

Figure B6 Total ICT investment

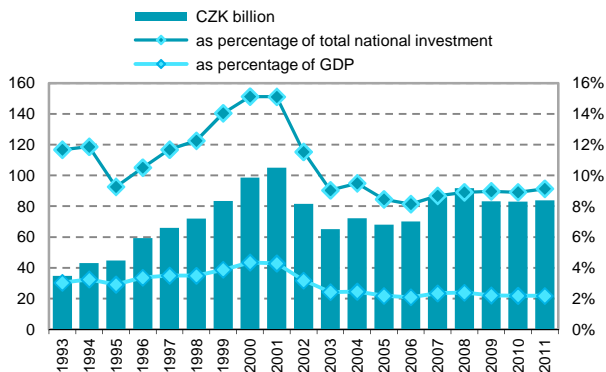
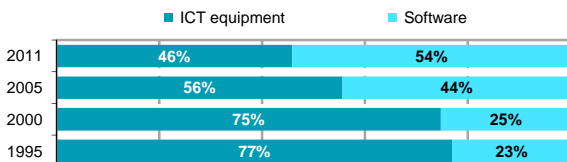


Figure B7 ICT investment by main categories of ICT products



Source: CZSO, Annual National Accounts Statistics - Supply and use tables

B ICT expenditures

Table B6 Investment in ICT equipment in the Czech Republic

CZK million

	2009	2010	2011
Total	41 018	45 414	38 376
Computers and peripheral equipment	26 914	28 786	30 763
Communication equipment	14 104	16 628	7 613
Industry (CZ-NACE section)			
Agriculture, forestry and fishing	284	185	317
Mining and quarrying	95	215	290
Manufacturing	3 337	2 349	2 907
Electricity, gas and water supply	1 517	2 524	1 326
Construction	829	1 120	598
Wholesale and retail trade	4 342	5 078	4 306
Transportation and storage	1 719	867	922
Accommodation and food service activ.	208	371	289
Information and communication	15 360	19 289	8 777
thereof ICT services (CZ-NACE 61+62)	13 528	17 251	n.a.
Financial and insurance activities	1 082	1 214	3 219
Real estate activities	415	1 390	209
Professional, scientific and technical activ.	4 463	3 862	6 629
Administrative and support service activ.	1 388	784	1 954
Public administration and defence	2 349	2 383	2 095
Education	1 491	1 545	2 005
Human health and social work activities	816	810	841
Other community, social services	1 323	1 428	1 692

Figure B8 Investment in ICT equipment

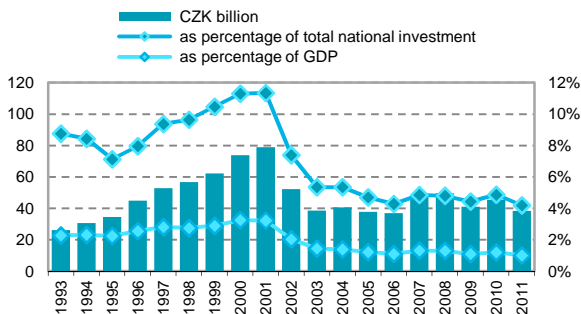
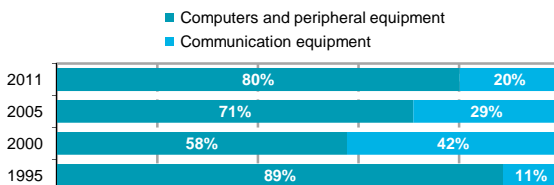


Figure B9 Investment in ICT equipment by products



Source: CZSO, Annual National Accounts Statistics - Supply and use tables

B ICT expenditures

Table B7 Software investment in the Czech Republic

CZK million

	2009	2010	2011
Total	42 095	37 649	45 412
Industry (CZ-NACE section)			
Agriculture, forestry and fishing	83	220	123
Mining and quarrying	68	181	79
Manufacturing	5 023	5 193	5 302
Electricity, gas and water supply	1 244	1 296	1 210
Construction	294	756	984
Wholesale and retail trade	2 027	1 857	2 845
Transportation and storage	2 527	1 770	2 822
Accommodation and food service activ.	179	92	300
Information and communication	11 323	9 559	12 139
thereof ICT services (CZ-NACE 61+62)	9 522	7 995	n.a.
Financial and insurance activities	7 358	7 889	8 934
Real estate activities	209	278	640
Professional, scientific and technical activ.	1 654	1 818	2 399
Administrative and support service activ.	1 010	711	827
Public administration and defence	7 340	4 502	5 249
Education	680	373	563
Human health and social work activities	650	768	662
Other community, social services	426	386	334

Figure B10 Software investment

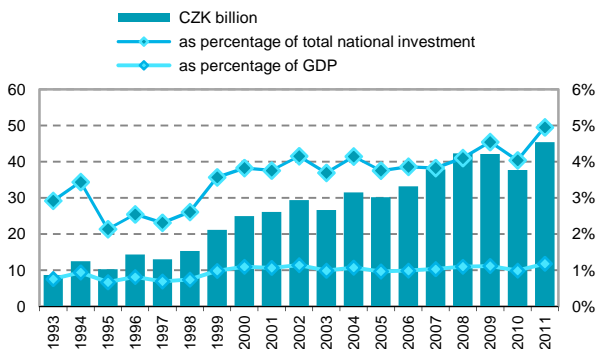
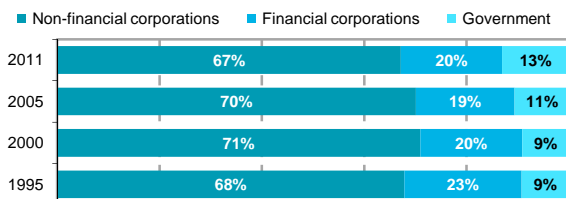


Figure B11 Software investment by institutional sectors



Source: CZSO, Annual National Accounts Statistics - Supply and use tables