

E International trade in ICT goods

Goods in the field of information and communication technologies (hereinafter referred to as ICT goods) are defined as goods whose main function is to carry out or enable communication or processing of information, including their recording, transmission and display by electronic means (OECD 2009).

Statistics on international trade in goods track actual trade in goods between Czech and foreign entities, i.e. trade where there is a change of ownership between residents and non-residents. Internationally comparable data for foreign trade with goods respecting change of ownership are currently only available for the total export/import of goods.

Statistics on Cross-border movements of goods tell exclusively about the physical movement of goods across the borders of the Czech Republic, regardless of whether there is trade between Czech and foreign entities. These data are available for international comparison and in a more detailed breakdown, however, they do not indicate the actual trade in these goods.

More detailed information on the issue of the dual concept of international trade can be found on the links: https://www.czso.cz/csu/czso/2-vzonu_m ; https://www.czso.cz/csu/czso/external_trade_in_goods_according_to_the_movement_-_cross_border_concept- .

The list of ICT goods was first defined in 2003 by the OECD according to the International Customs Nomenclature of the **Harmonized Commodity Description** and Coding System of the World Customs Organization of 2002. At present, the list of ICT goods from the HS is based on 2017. More here: <https://bit.ly/3smUgu2> .

The Czech Statistical Office has grouped individual items of ICT goods defined according to the HS 2017 nomenclature and the **Combined Nomenclature** (CN) of the European Union into the following five main categories:

- **Computer equipment and peripherals,**
- **Communication equipment,**
- **Consumer electronics,**
- **Electronic components,**
- **ICT parts n.e.s.**

Detailed information to Combined Nomenclature are here (*only in Czech*): <https://www.celnisprava.cz/cz/clo/sazebni-zarazeni-zbozi/spolecny-celni-sazebnik-es/Stranky/default.aspx>

Data for the Czech Republic comes from External Trade Statistics Database (https://apl.czso.cz/pll/stazo/STAZO_ZO.STAZO) and the Cross-border movements of goods database (<http://apl.czso.cz/pll/stazo/STAZO.STAZO>).

Data for **international comparisons** come from **Eurostat** data sources.

Data for international comparisons refer to the reported or nearest available year. More information at.:

<https://ec.europa.eu/eurostat/web/international-trade-in-goods/data/database>

For further information on ICT external trade see (*only in Czech*): https://www.czso.cz/csu/czso/zahranicni_obchod_s_ict_zbozim

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Table E1 International trade in ICT goods in Czechia

CZK million

	2020	2021	2022
Export, total	327 355	339 541	333 182
Computers and peripheral equipment	152 880	157 467	147 037
Communication equipment	63 750	58 785	58 437
Consumer electronics	54 415	57 698	47 621
Electronic components	26 011	29 425	31 060
ICT parts n.e.s.	30 298	36 165	49 028
% of total goods exports from Czechia	9,5%	8,7%	7,6%
Import, total	388 031	395 524	403 689
Computers and peripheral equipment	101 829	114 513	124 702
Communication equipment	89 253	86 227	86 352
Consumer electronics	40 767	45 003	43 417
Electronic components	77 285	81 866	97 826
ICT parts n.e.s.	78 898	67 915	51 392
% of total goods imports to Czechia	11,9%	10,2%	8,8%

Figure E1 International trade in ICT goods in Czechia by commodities, 2022

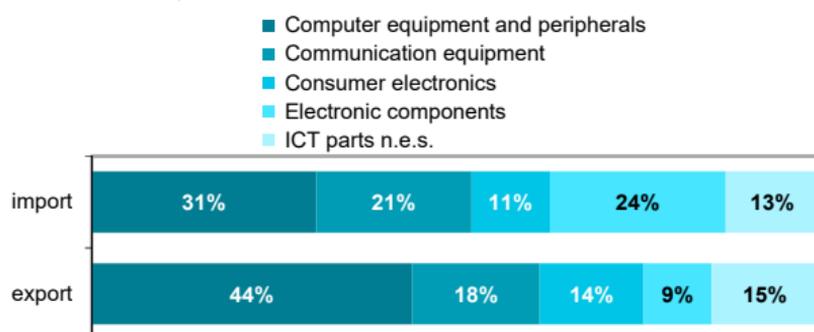


Figure E2 ICT goods exports from Czechia, by countries

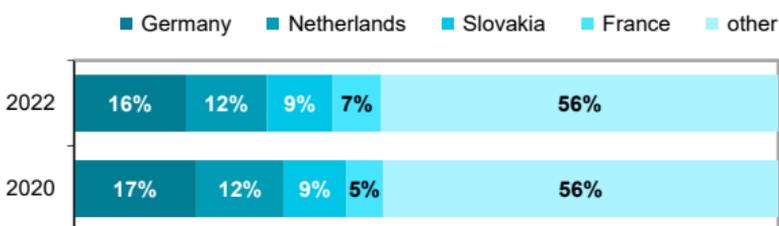
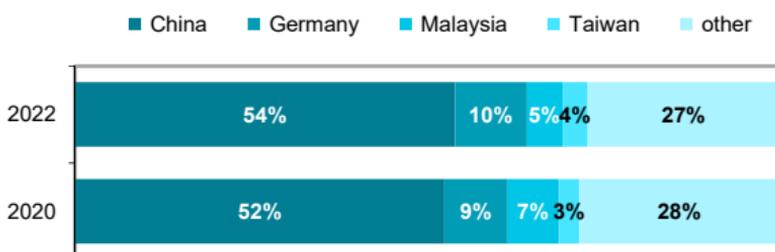


Figure E3 ICT goods imports to Czechia, by countries



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Table E2 International trade in Computers and peripheral equipment in Czechia

CZK million

	2020	2021	2022
Export, total	152 880	157 467	147 037
Portable computers	10 913	13 935	10 764
Other computers	93 635	85 120	76 917
Computer peripherals, total	48 332	58 412	59 356
Storage units	30 218	36 280	32 461
Sound, video, network and similar cards	10 240	12 251	13 922
Monitors used with computers	2 073	2 528	3 983
Printers, copying or faxing machines	1 661	1 549	3 703
Other input or output peripherals*	4 139	5 805	5 286
% of total goods exports from Czechia	4,5%	4,1%	3,3%
Import, total	101 829	114 513	124 702
Portable computers	28 299	33 372	33 080
Other computers	15 200	17 874	32 780
Computer peripherals, total	58 330	63 268	58 841
Storage units	23 741	29 215	21 655
Sound, video, network and similar cards	15 402	16 154	18 301
Monitors used with computers	5 861	4 908	5 473
Printers, copying or faxing machines	3 904	3 651	5 754
Other input or output peripherals*	9 421	9 340	7 658
% of total goods imports to Czechia	3,1%	2,9%	2,7%

* Keyboards; joysticks, computer mice, scanners or optical readers

Figure E4 International trade in Computers and peripheral equipment in Czechia by commodities, 2022

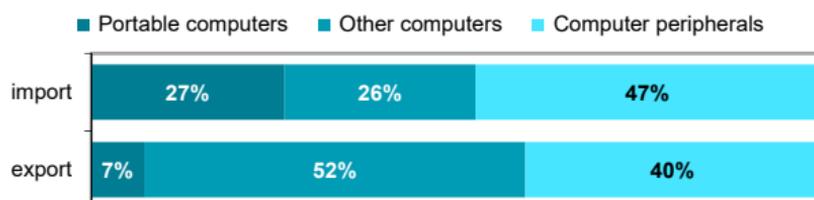


Figure E5 Computers and peripheral equipment exports from Czechia, by countries

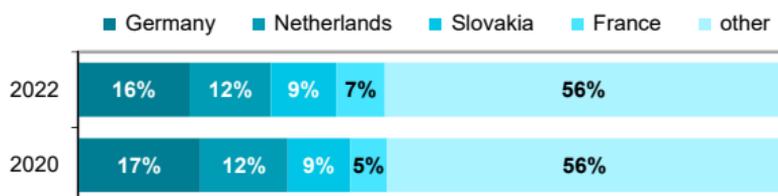


Figure E6 Computers and peripheral equipment imports to Czechia, by countries



Source: CZSO, External Trade Statistics Database

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Table E3 International trade in Communication equipment in Czechia

CZK million

	2020	2021	2022
Export, total	63 750	58 785	58 437
Mobile phones	34 543	28 544	24 568
Other communication equipment	29 207	30 241	33 869
% of total goods exports from Czechia	1,9%	1,5%	1,3%
Import, total	89 253	86 227	86 352
Mobile phones	53 475	47 611	48 942
Other communication equipment	35 778	38 616	37 410
% of total goods imports to Czechia	2,7%	2,2%	1,9%

Figure E7 International trade in Communication equipment in Czechia by commodities, 2022

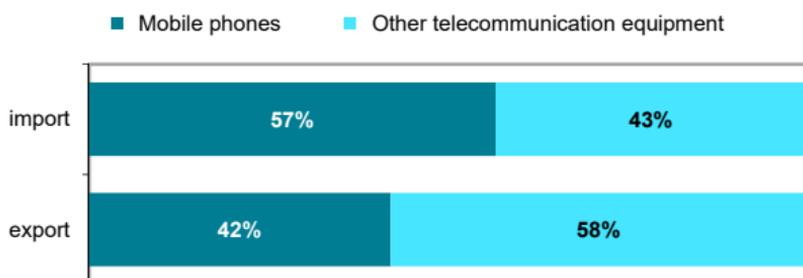


Figure E8 Communication equipment exports from Czechia, by countries

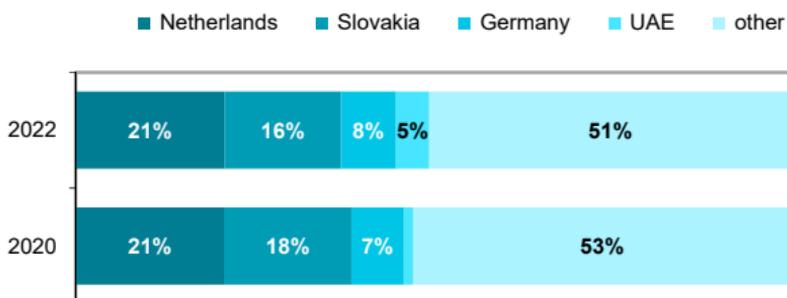
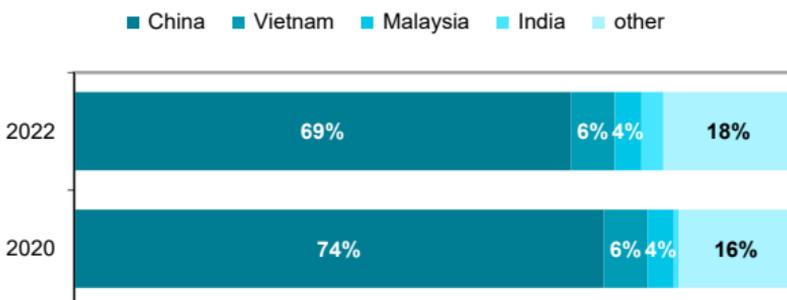


Figure E9 Communication equipment imports to Czechia, by countries



Source: CZSO, External Trade Statistics Database

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Table E4 International trade in Consumer electronics in Czechia

CZK million

	2020	2021	2022
Export, total	54 415	57 698	47 621
Radio and TV receivers	24 342	20 669	9 646
Sound and image recording and reproducing apparatuses	10 289	11 253	10 295
Consumer electronics accessories*	19 785	25 775	27 679
% of total goods exports from Czechia	1,6%	1,5%	1,1%
Import, total	40 767	45 003	43 417
Radio and TV receivers	16 397	14 882	11 073
Sound and image recording and reproducing apparatuses	12 865	15 699	16 111
Consumer electronics accessories*	11 505	14 422	16 234
% of total goods imports to Czechia	1,3%	1,2%	0,9%

* Monitors and projectors; Microphones and stands there for; Loudspeakers; Headphones, earphones and combined microphone/speaker sets; Audio-frequency electric amplifiers; Electric sound amplifier sets; Non-recorded media

Figure E10 International trade in Consumer electronics in Czechia by commodities, 2022

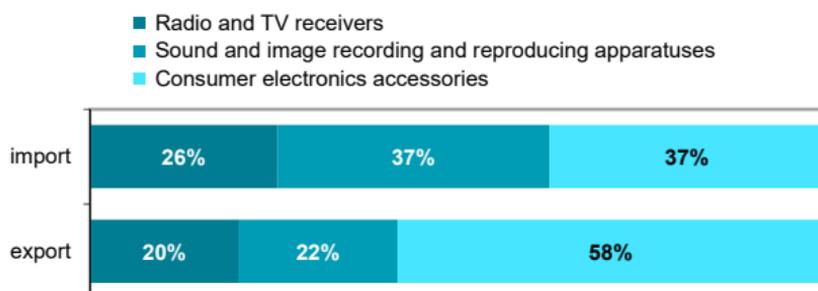


Figure E11 Consumer electronics exports from Czechia, by countries

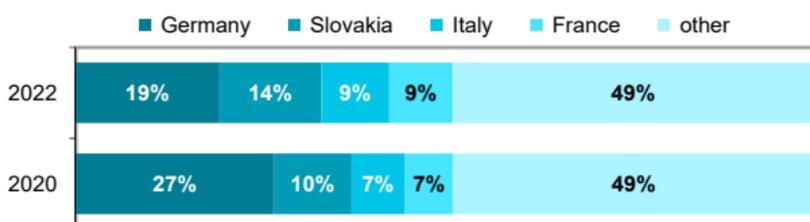
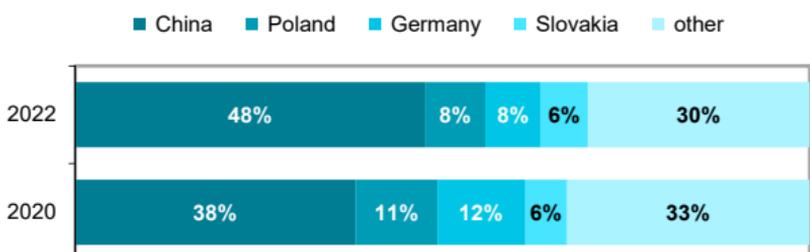


Figure E12 Consumer electronics imports to Czechia, by countries



Source: CZSO, External Trade Statistics Database

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Table E5 International trade in Electronic components in Czechia

CZK million

	2020	2021	2022
Export, total	26 011	29 425	31 060
Electronic integrated circuits	19 485	20 819	18 556
Printed circuits	3 270	4 219	4 042
Other electronic components	3 256	4 387	8 462
% of total goods exports from Czechia	0,8%	0,8%	0,7%
Import, total	77 285	81 866	97 826
Electronic integrated circuits	60 310	57 896	58 314
Printed circuits	8 461	11 584	13 307
Other electronic components	8 514	12 386	26 205
% of total goods imports to Czechia	2,4%	2,1%	2,1%

Figure E13 International trade in Electronic components in Czechia by commodities, 2022

■ Electronic integrated circuits ■ Printed circuits ■ Other electronic components



Figure E14 Electronic components exports from Czechia, by countries

■ Germany ■ Slovakia ■ Netherland ■ France ■ other

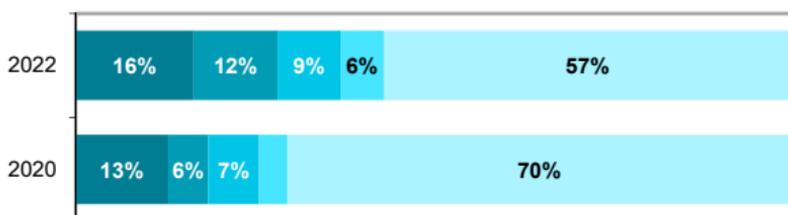


Figure E15 Electronic components imports to Czechia, by countries

■ China ■ Malaysia ■ Germany ■ Taiwan ■ other



Source: CZSO, External Trade Statistics Database

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Table E6 International trade in ICT parts n.e.s. in Czechia

CZK million

	2020	2021	2022
Export, total	30 298	36 165	49 028
Parts and accessories n.e.s. of			
computers	21 064	26 603	41 925
telecommunication equipment	1 520	1 701	1 611
consumer electronics	7 714	7 860	5 492
% of total goods exports from Czechia	0,9%	0,9%	1,1%
Import, total	78 898	67 915	51 392
Parts and accessories n.e.s. of			
computers	49 018	37 305	25 891
telecommunication equipment	9 082	8 321	8 541
consumer electronics	20 799	22 288	16 960
% of total goods imports to Czechia	2,4%	1,7%	1,1%

Figure E16 International trade in ICT parts n.e.s. in Czechia by commodities, 2022

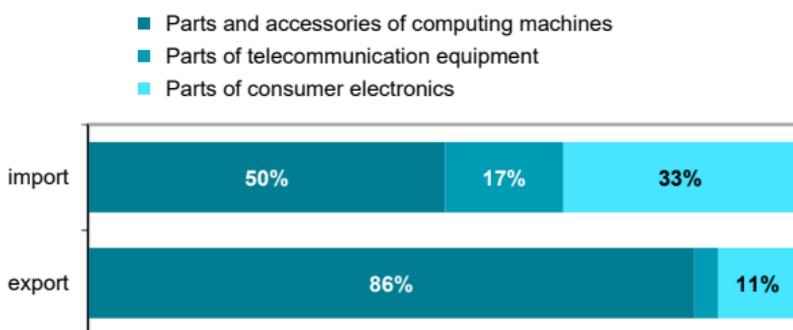


Figure E17 ICT parts n.e.s. exports from Czechia, by countries

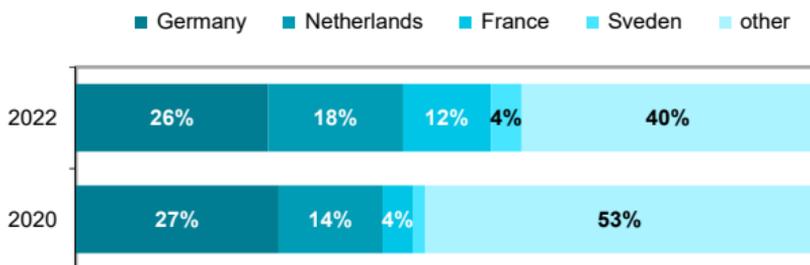
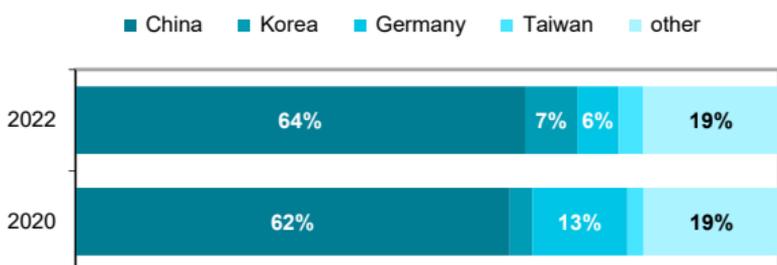


Figure E18 ICT parts n.e.s. imports to Czechia, by countries



Source: CZSO, External Trade Statistics Database

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Table E7 Cross-border movements of ICT goods from Czechia

CZK million

	2020	2021	2022
Total	798 057	766 230	918 558
Computers and peripheral equipment	364 383	356 328	370 289
Communication equipment	259 421	235 585	366 595
Consumer electronics	70 864	73 694	66 180
Electronic components	45 845	47 816	50 330
ICT parts n.e.s.	57 544	52 806	65 164

Figure E19 Cross-border movements of ICT goods from Czechia

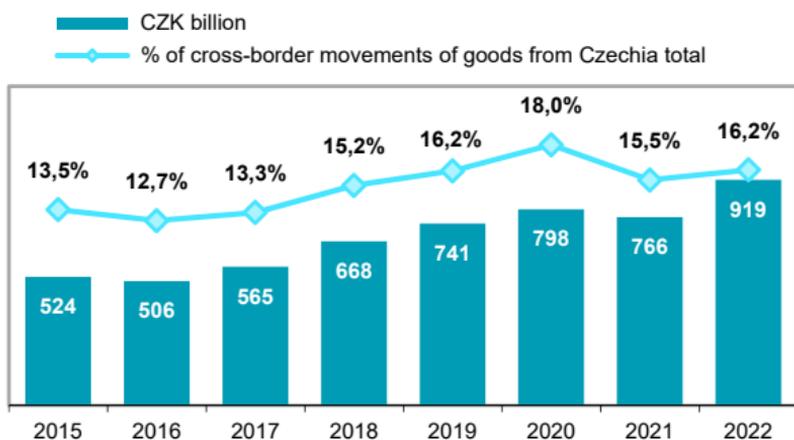


Figure E20 Cross-border movements of ICT goods from Czechia, by commodities

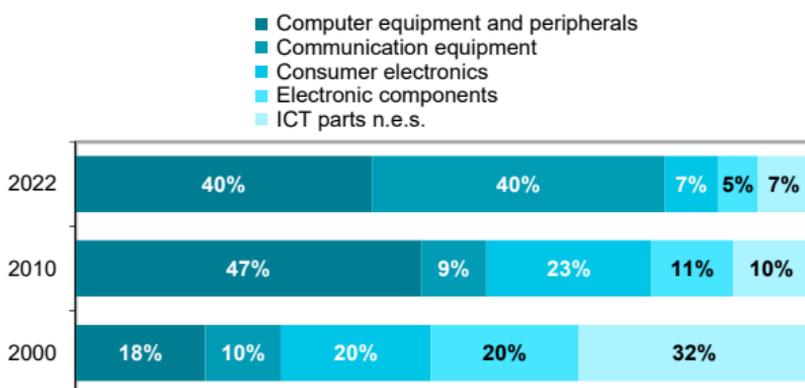
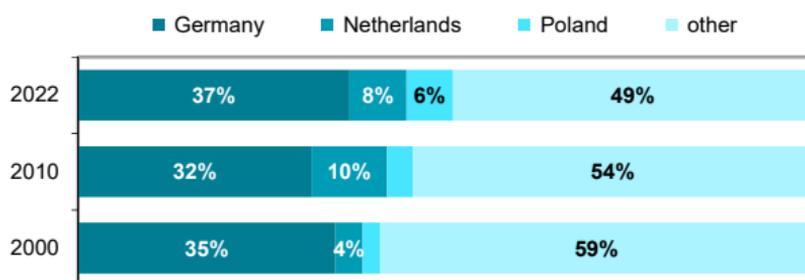


Figure E21 Cross-border movements of ICT goods from Czechia, by countries



Source: CZSO, Cross-border movements of goods database

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Figure E22 Cross-border movements of ICT goods from countries; 2022

(% of total movements of goods from the given countries)

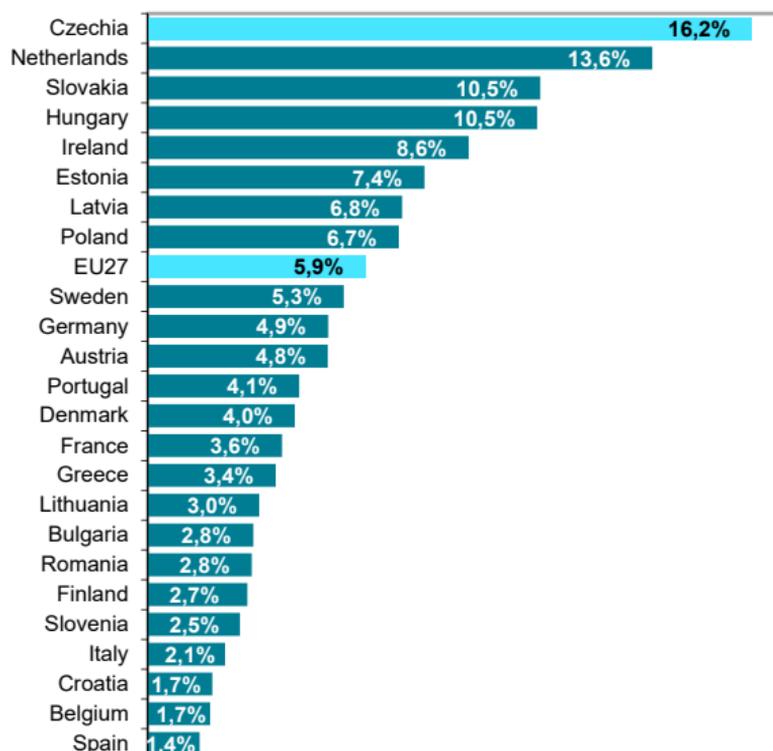
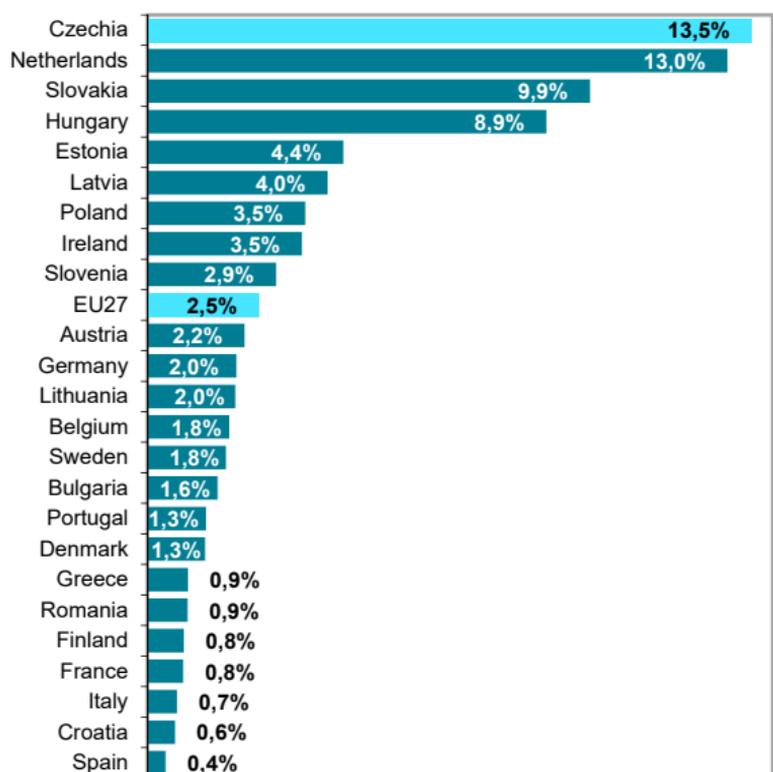


Figure E23 Cross-border movements of ICT goods from countries; 2022 (% GDP)



Source: CZSO calculations based on Eurostat

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Table E8 Cross-border movements of ICT goods to Czechia

CZK million

	2020	2021	2022
Total	796 391	780 412	934 907
Computers and peripheral equipment	253 026	275 788	288 174
Communication equipment	264 728	223 242	369 518
Consumer electronics	52 205	56 583	56 465
Electronic components	106 347	105 822	128 965
ICT parts n.e.s.	120 086	118 976	91 785

Figure E24 Cross-border movements of ICT goods to Czechia

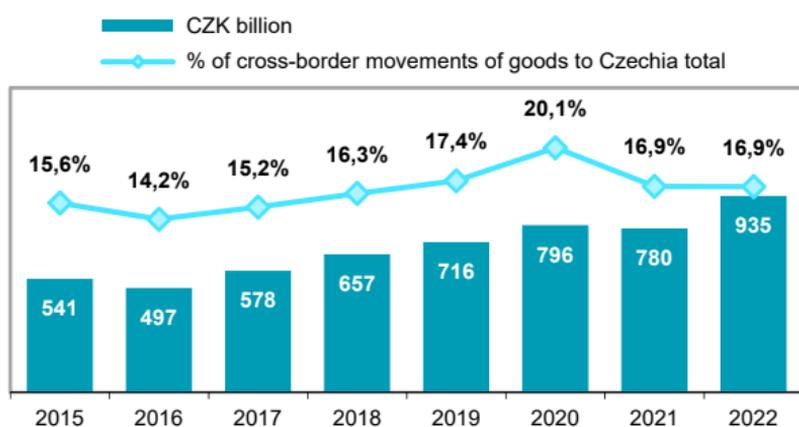


Figure E25 Cross-border movements of ICT goods to Czechia, by commodities

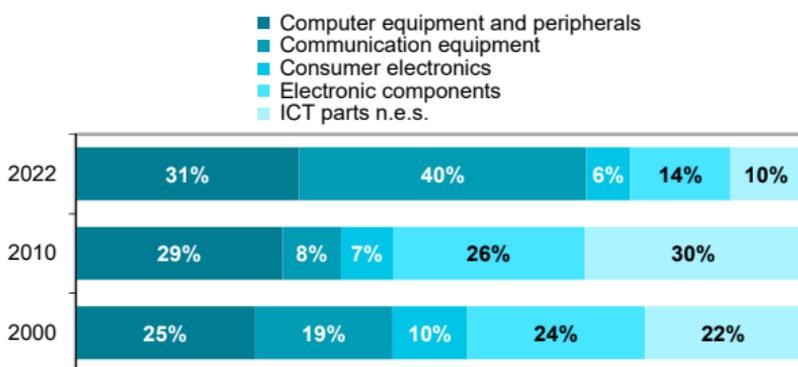
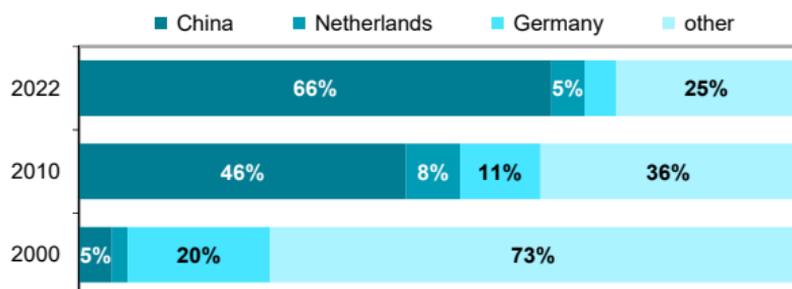


Figure E26 Cross-border movements of ICT goods to Czechia, by countries



Source: CZSO, Cross-border movements of goods database

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Figure E27 Cross-border movements of ICT goods to countries; 2022

(% of total movements of goods to the given countries)

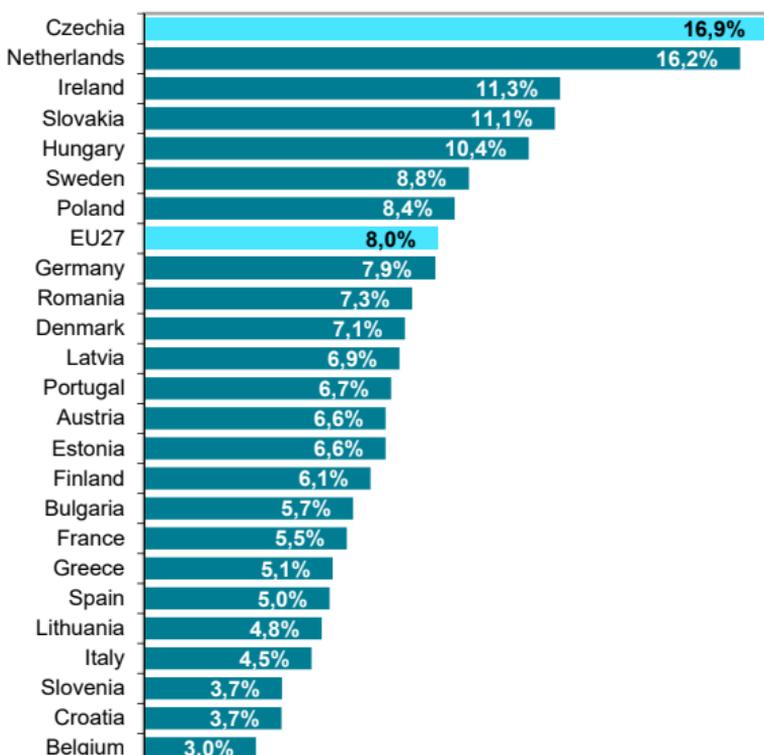
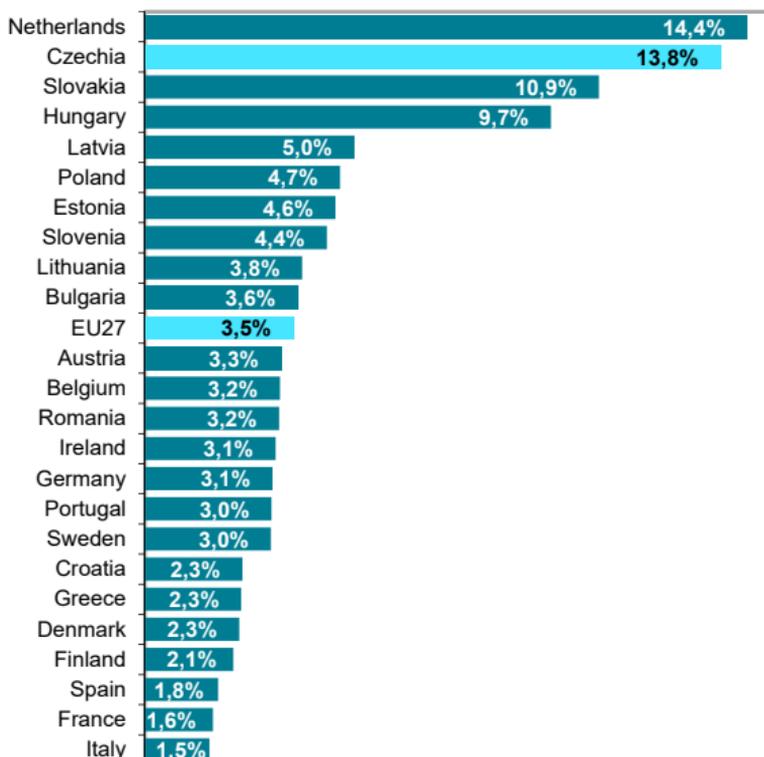


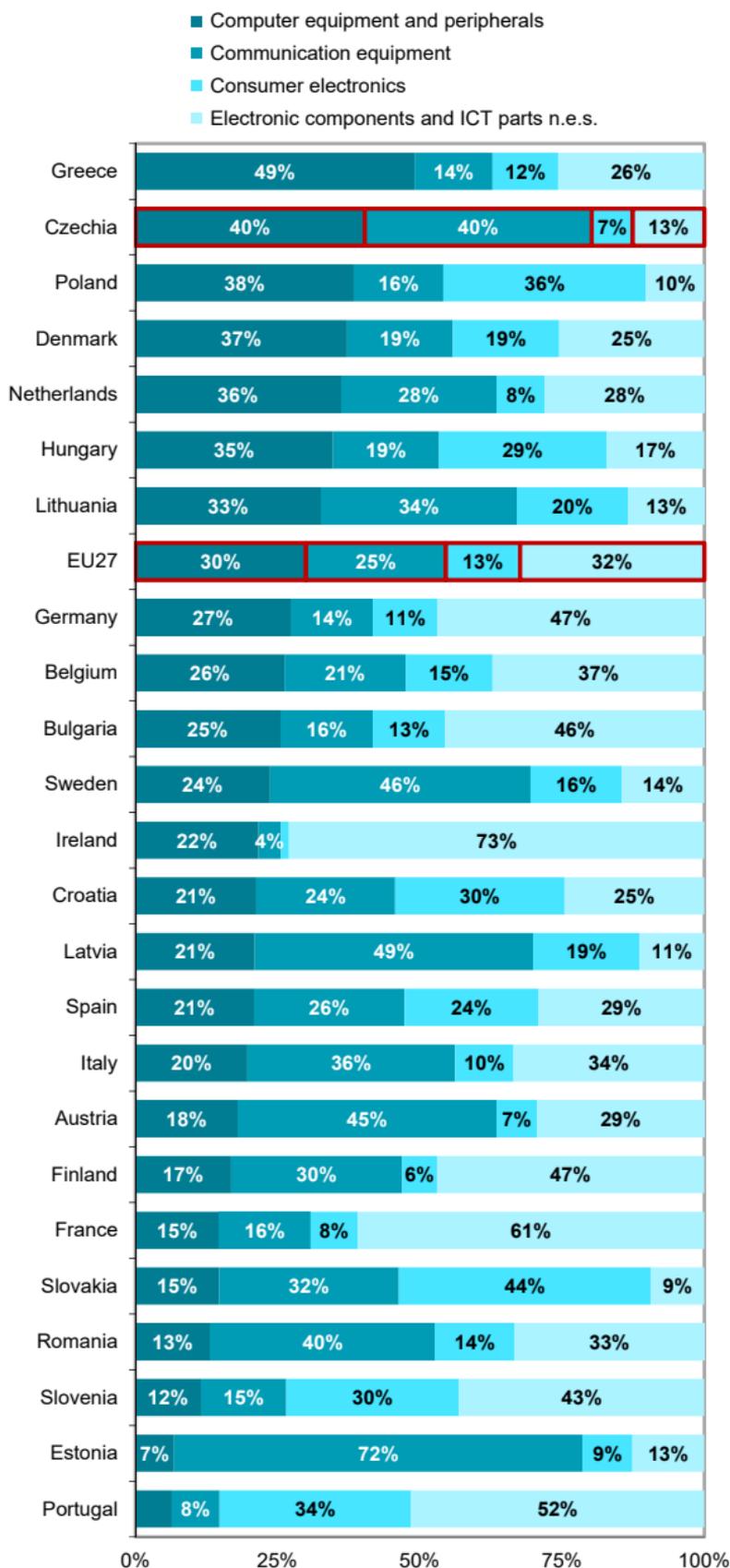
Figure E28 Cross-border movements of ICT goods to countries; 2022 (% GDP)



Source: CZSO calculations based on Eurostat

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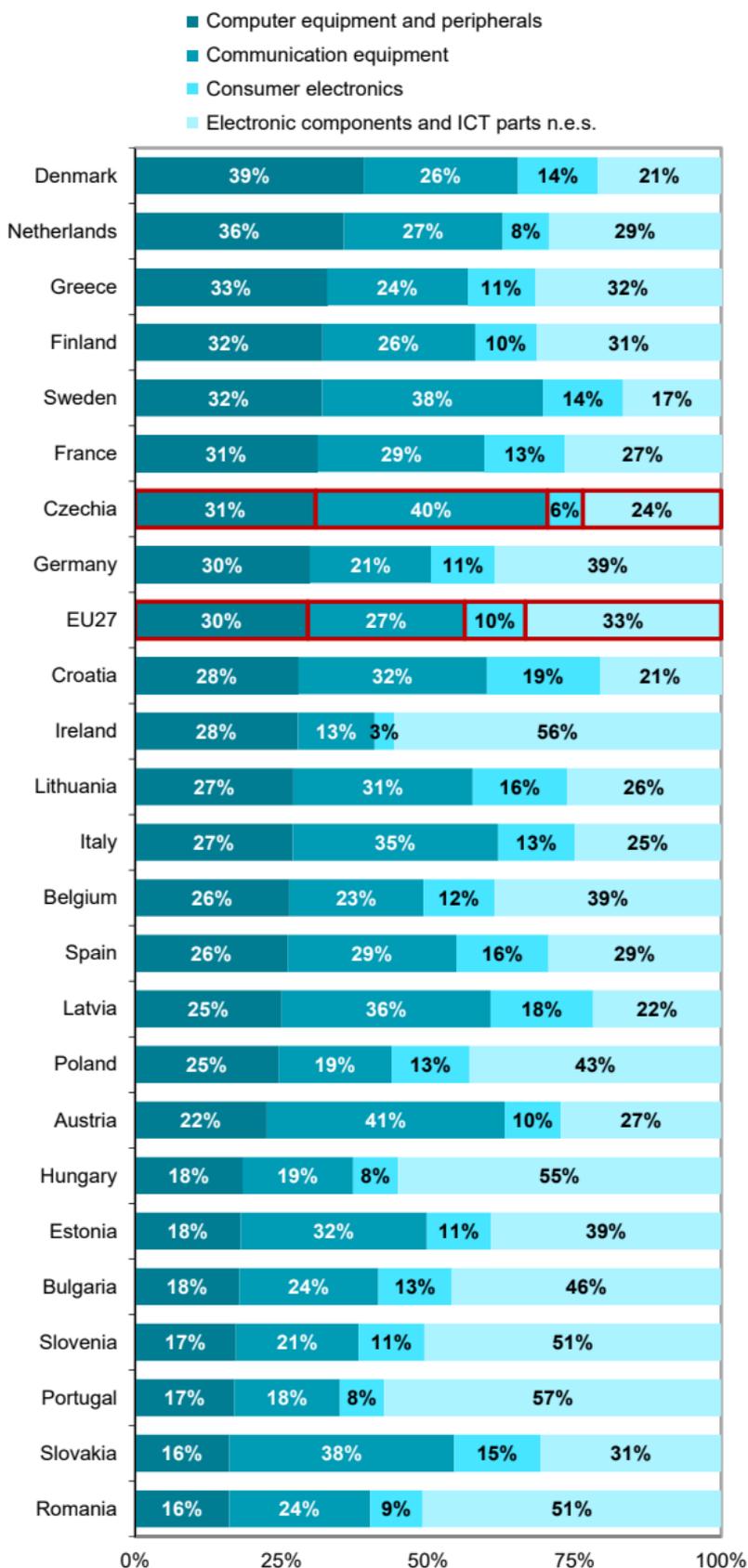
Figure E29 Cross-border movements of ICT goods from countries by commodities; 2022



Source: CZSO calculations based on Eurostat

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Figure E30 Cross-border movements of ICT goods to countries by commodities; 2022



Source: CZSO calculations based on Eurostat

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Figure E31 Balance of cross-border movement of Computer equipment and peripherals (CZK billion)

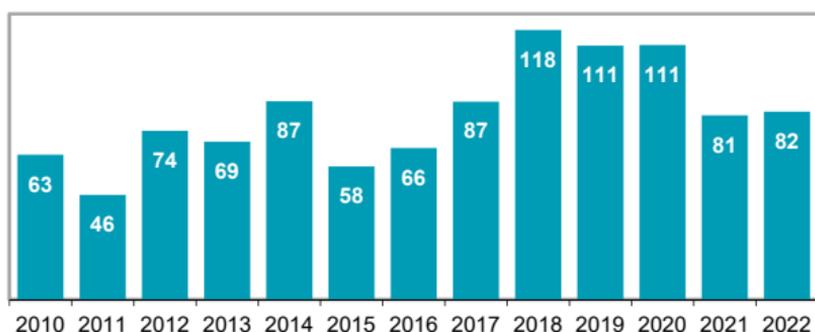


Figure E32 Balance of cross-border movement of Communication equipment (CZK billion)

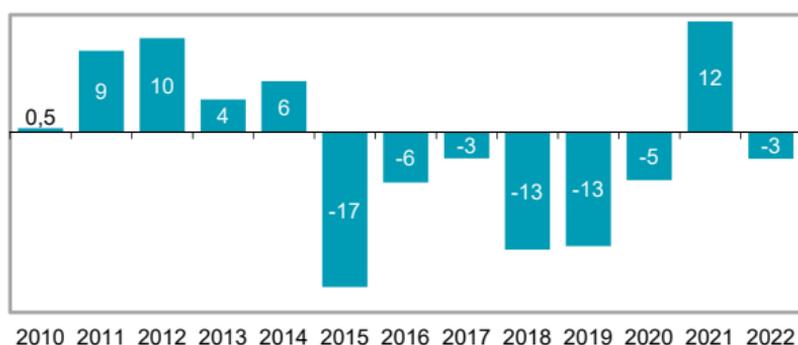


Figure E33 Balance of cross-border movement of Consumer electronics (CZK billion)

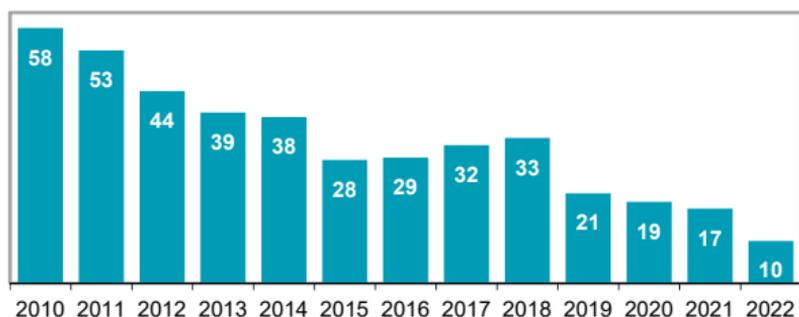


Figure E34 Balance of cross-border movement of Electronic components (CZK billion)

