



Ministry of Communications
and Information Technology

ICT Indicators Bulletin

December 2022 | Quarterly Issue



ICT Sector's Infrastructure Indicators

ICT Sector's Role in Development

Indicators in Brief

Data Item	Unit	October - December 2021	July - September 2022	October - December 2022	Quarterly Growth Rate (%)	Annual Growth Rate (%)
ICT Sector: Infrastructure Indicators						
Mobile subscriptions	Million	103.45	99.07	99.38 **	0.310	-3.94
Mobile penetration *	%	99.78	94.29	94.16 **	-0.12	-5.62
Fixed line subscriptions	Million	11.01	11.41	11.59	1.53	5.21
Fixed line penetration *	%	10.60	10.86	10.98	0.12	0.38
Mobile Internet subscriptions	Million	63.44	69.72	69.08 **	-0.92	8.88
USB Modem subscriptions	Million	2.07	2.02	2.42	19.93	16.80
ADSL subscribers	Million	10.07	10.77	11.04	2.43	9.6
Number of post offices	Post Office	4194	4325	4345	0.46	3.60
ICT Sector's Role in Development						
Capacity building programs provided by ITIDA	Thousand Graduates	32.398	35.816	37.119	3.63	14.57

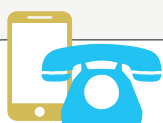
* Growth rates are calculated based on the difference between penetration rates in different time intervals.

** Preliminary Data

The proportion of individuals using Internet reached 72.2% according to "ICT access and use by households and individuals 2021/2022"

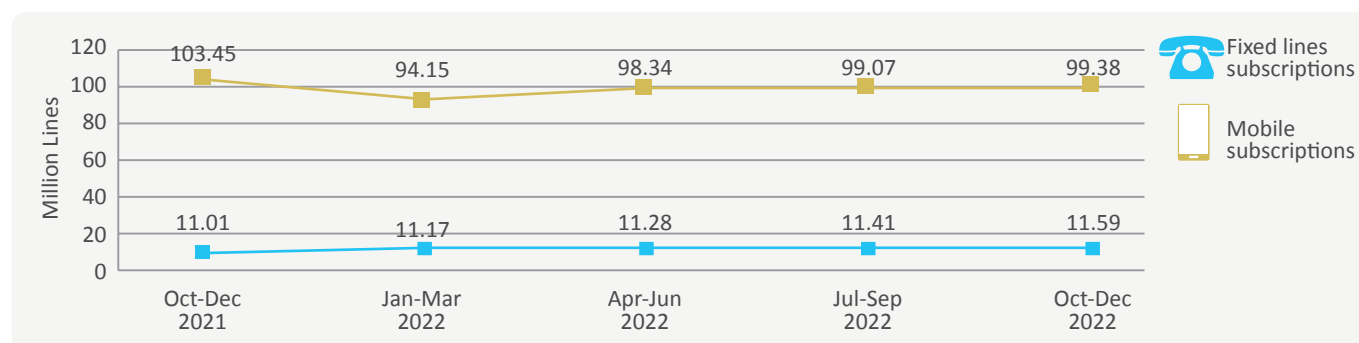
ICT Sector's Infrastructure Indicators

- Mobile subscriptions (October - December 2022): 99.38 million
- Mobile penetration (October - December 2022): 94.16%
- Fixed line subscriptions (October - December 2022): 11.59 million
- Fixed line subscriptions in urban areas (October - December 2022): 9.27 million. In rural areas: 2.32 million
- Mobile Internet users (October - December 2022): 69.08 million
- USB Modem users (October - December 2022): 2.42 million users
- ADSL subscribers (October - December 2022): 11.04 million
- Number of post offices (October - December 2022): 4345 Post offices
- Number of beneficiaries of pension payment service through post offices (October - December 2022): 4.84 million beneficiaries



Fixed Lines and Mobile Subscriptions

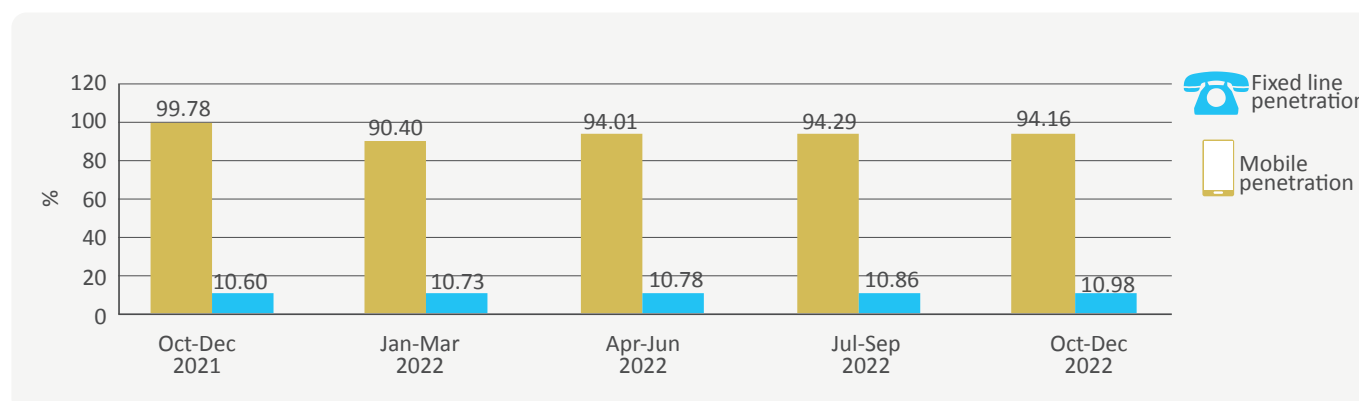
- The number of fixed line and mobile subscriptions was 110.96 million at the end of October - December 2022, compared to 114.46 million at the end of October - December 2021.
- The number of mobile subscriptions was 99.38 million at the end of October - December 2022, compared to 103.45 million at the end of October - December 2021. Mobile subscriptions made 90% of total telephone service.



Source: Ministry of Communications and Information Technology, Telecom Egypt.

Fixed Line and Mobile Penetration

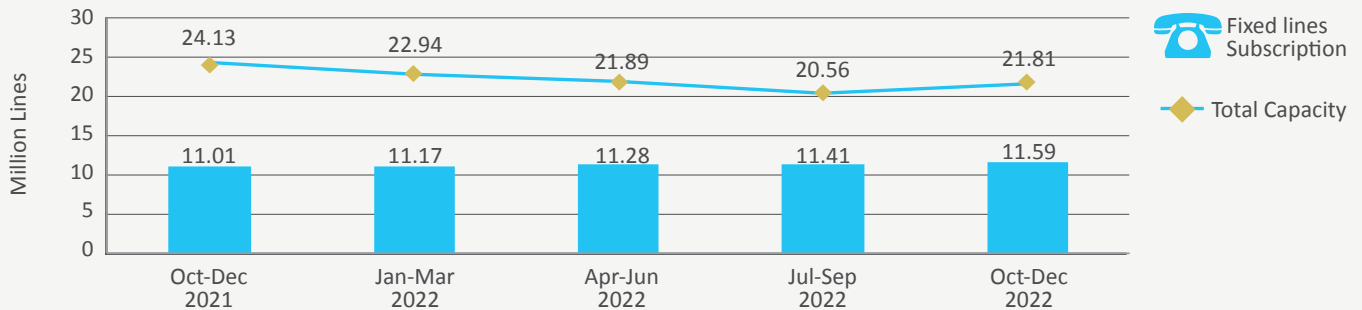
- Mobile penetration reached 94.16% at the end of October - December 2022, compared to 99.78% at the end of October - December 2021, representing an annual change rate of -5.62%. Fixed line penetration reached about 10.98% by the end of October - December 2022.



Source: Ministry of Communications and Information Technology, Telecom Egypt.

Fixed Lines Subscription and Local Exchange Capacity

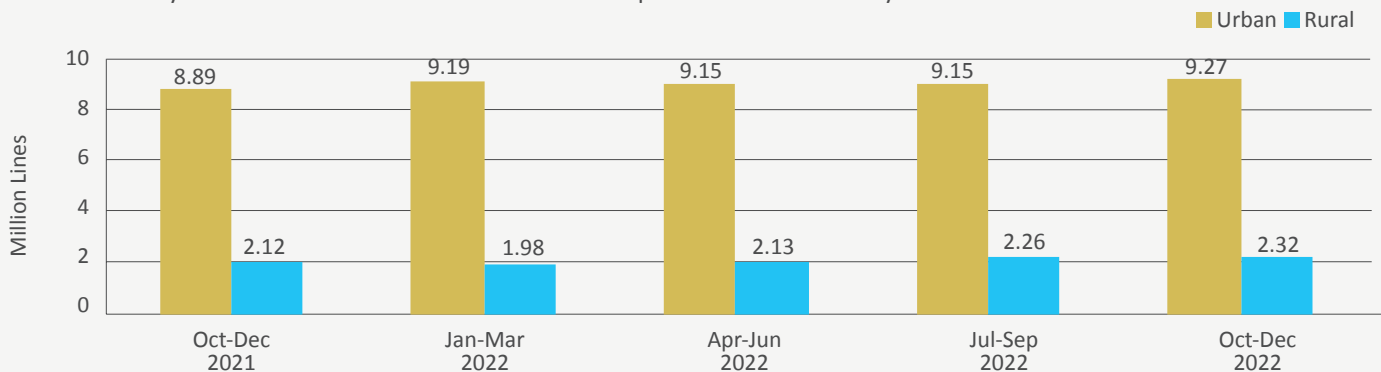
- The total number of fixed line subscriptions reached 11.59 million at the end of October - December 2022 compared to 11.01 million at the end of October - December 2021.
- The capacity of local exchanges increased to 21.81 million lines at the end of October - December 2022, compared to 24.13 million at the end of October - December 2021, representing an annual change of -2.32 million lines and an annual change rate of -9.62%.



Source: Ministry of Communications and Information Technology and Telecom Egypt.

Fixed Lines Subscription (Urban - Rural)

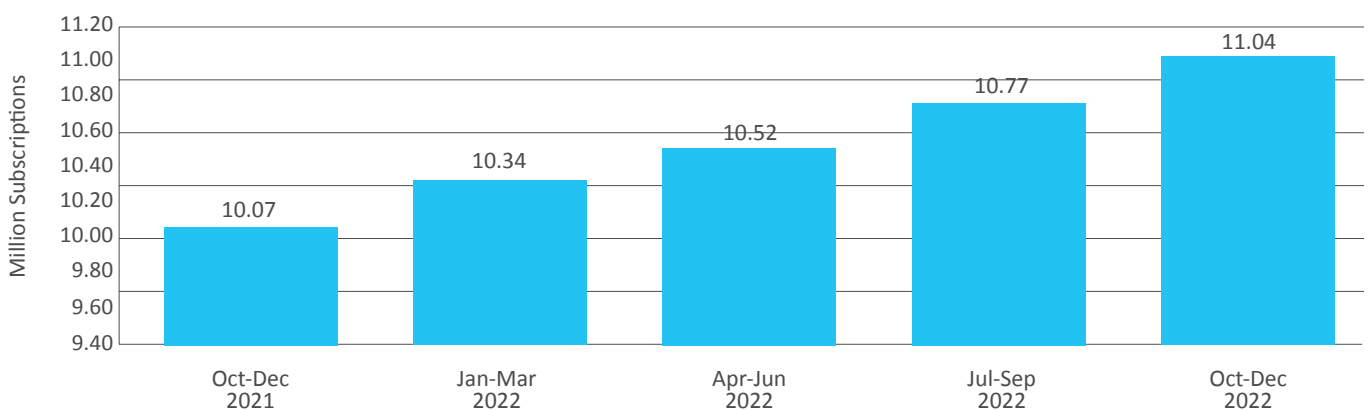
- The number of fixed line subscribers in urban areas reached 9.27 million by the end of October - December 2022 compared to 8.89 million by the end of October - December 2021 while the number of fixed line subscribers in rural areas reached 2.32 million by the end of October - December 2022 compared to 2.12 million by the end of October - December 2021



Source: Ministry of Communications and Information Technology and Telecom Egypt.

ADSL Subscriptions

- The number of ADSL subscriptions reached 11.04 million by the end of October - December 2022 compared to 10.07 million at the end of October - December 2021 with an annual change of 0.96 million and annual change rate of 9.6 %.

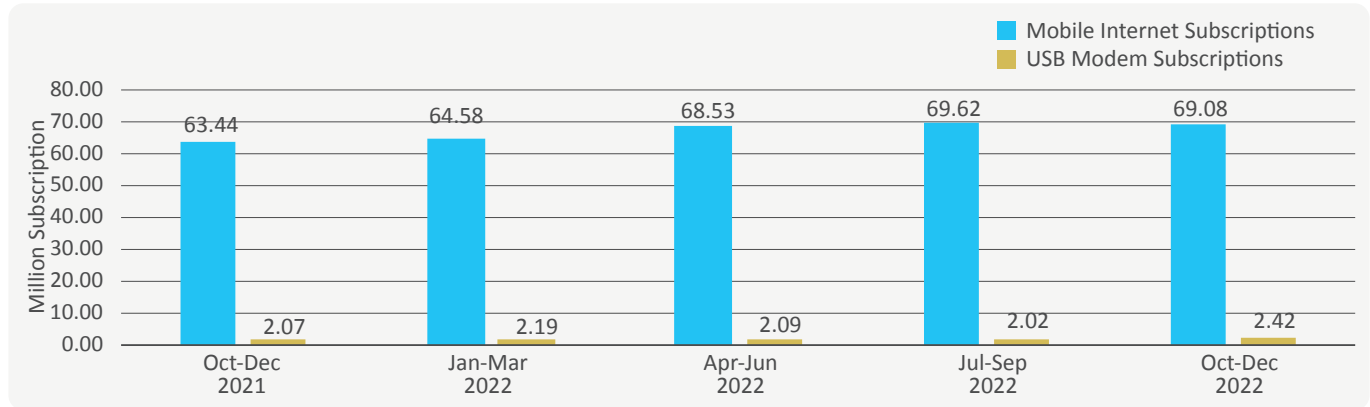


Source: Ministry of Communications and Information Technology.



Mobile Internet and USB Modem Subscriptions

- The number of mobile Internet subscriptions reached 69.08 million by the end of October - December 2022 compared to 63.44 million at the end of October - December 2021
- The number of USB Modem subscriptions reached 2.42 million by the end of October - December 2022 compared to 2.07 million at the end of October - December 2021.

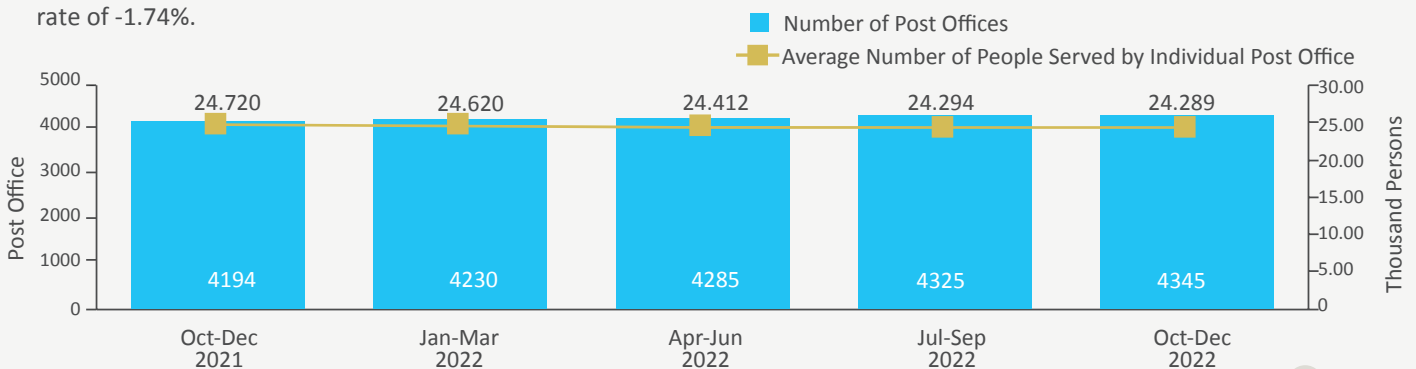


Source: Ministry of Communications and Information Technology.

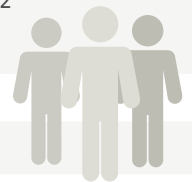


Post Offices

- The total number of post offices increased to 4345 at the end of October - December 2022, compared to 4194 at the end of October - December 2021, reflecting an annual growth rate of 3.60%.
- The average number of people served by individual post offices was 24,289 thousand persons at the end of October - December 2022, compared to 24,720 thousand at the end of October - December 2021, representing an annual growth rate of -1.74%.

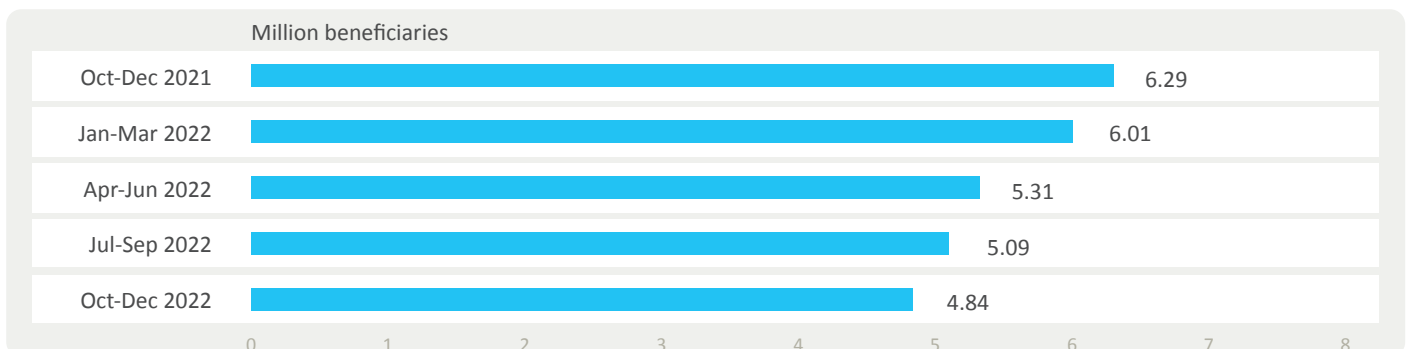


Source: Ministry of Communications and Information Technology and Egypt Post.



Number of Pensions Distributed through Post Offices

- The number of beneficiaries of pensions distributed through post offices increased to about 4.84 million in October - December 2022 compared to 6.29 million in October - December 2021.

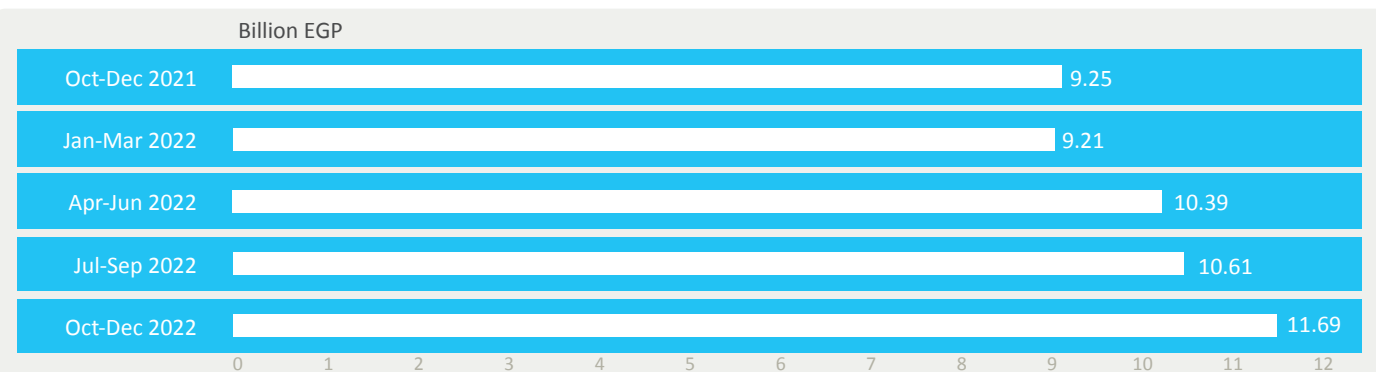


Source: Ministry of Communications and Information Technology and Egypt Post.

* The reason behind the increase in the number of pensions is the expansion in post offices and reliability on Egypt Post as a main outlet for providing government services.

Value of Pensions Distributed through Post Offices

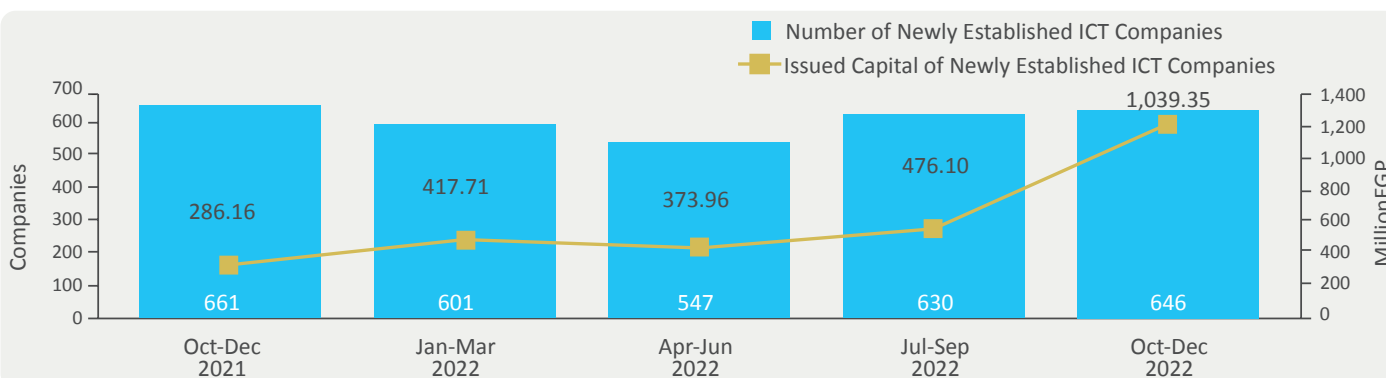
- The value of pensions distributed through post offices reached 11.69 billion EGP in October - December 2022 compared to 9.25 billion EGP in October - December 2021.



Source: Ministry of Communications and Information Technology and Egypt Post.

Number of Newly-established ICT Companies and Issued Capital

- The number of newly-established ICT companies reached 646 in October - December 2022, compared to 661 companies in October - December 2021.
- The volume of issued capital of newly-established ICT companies reached 1039.36 million EGP in October - December 2022, compared to 286.16 million EGP in October - December 2021.

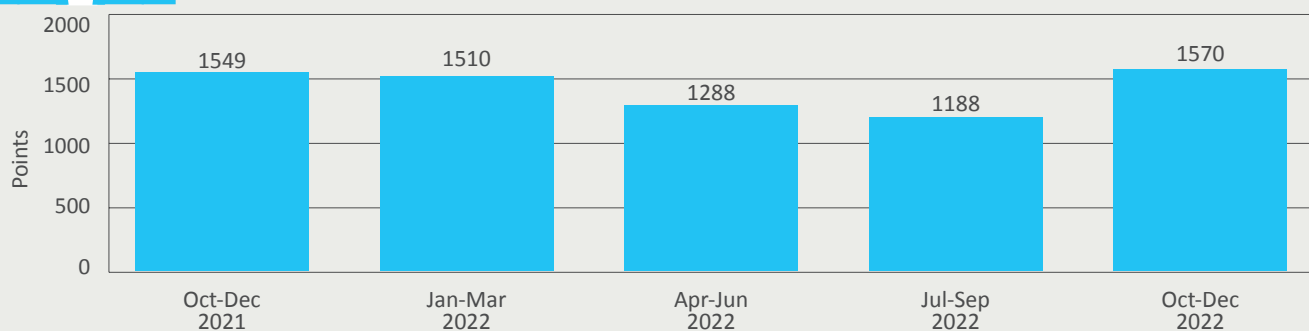


Source: General Authority for Investment and Free Zones (GAFI).



Egypt's Stock Exchange Telecommunications Index*

- The telecommunications index in Egypt's Stock Exchange reached 1570 points during October - December 2022, compared to 1549 points during October - December 2021.



Source: Egypt's Stock Exchange.

*The IT, Media and Communication Services Index includes of five companies: Raya Contact Center, Fawry for Banking Technology and Electronic Payment, Egyptian Media Production City, Telecom Egypt, and Egyptian Satellite Company (Nilesat).

ICT Sector's Role in Development

- Proportion of individuals using the Internet to search for goods/services: 72.7%
- Proportion of individuals using Facebook pages in online purchases: 61.7%
- Proportion of users purchasing from the Internet and preferring cash payment upon receipt: 98.4%
- Proportion of individuals with secondary and post-secondary education purchasing online: 47.9%
- Proportion of individuals outside the labor force purchasing online: 41.9%
- Proportion of individuals at the age category (15-29) purchasing online: 42.5%
- Number of graduates receiving software training by ITIDA till September 2022: 37.119 thousand trainees
- Number of ITI graduates till December 2022: 15.89 thousand trainees

Internet Usage by Gender

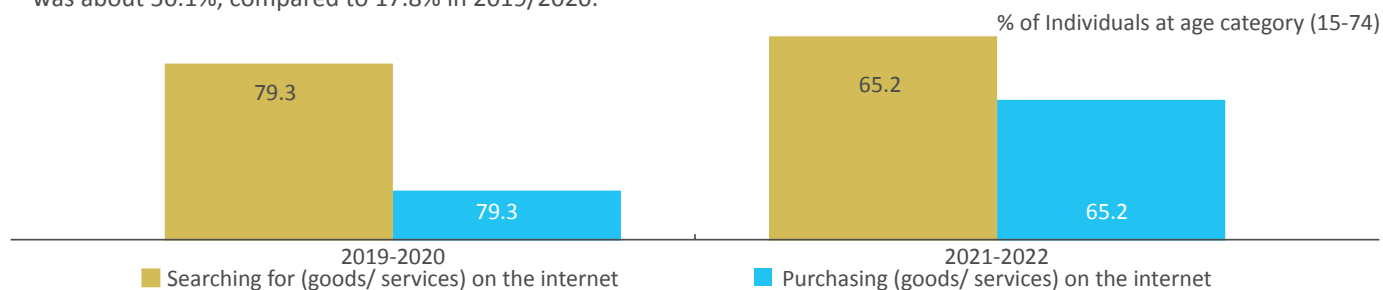
- The proportion of males using the Internet is 79.3%, while the proportion of females is 65.2%.



Source: "Survey of ICT usage in households and individuals," conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

e-Commerce Usage by Households

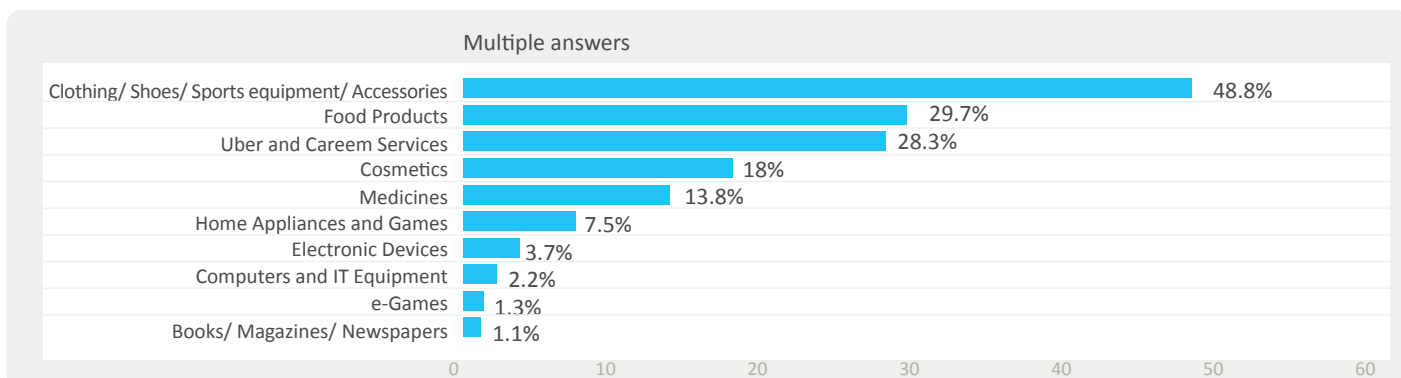
- The proportion of individuals using the Internet to search for goods and services in 2021/2022 was about 72.7%, compared to 63.3% in 2019/2020, while the proportion of individuals using the Internet to purchase goods and services in 2021/2022 was about 50.1%, compared to 17.8% in 2019/2020.



Source: "Survey of e-commerce usage by individuals purchasing online at the age category (15-74)", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

Goods and Services Purchased Online

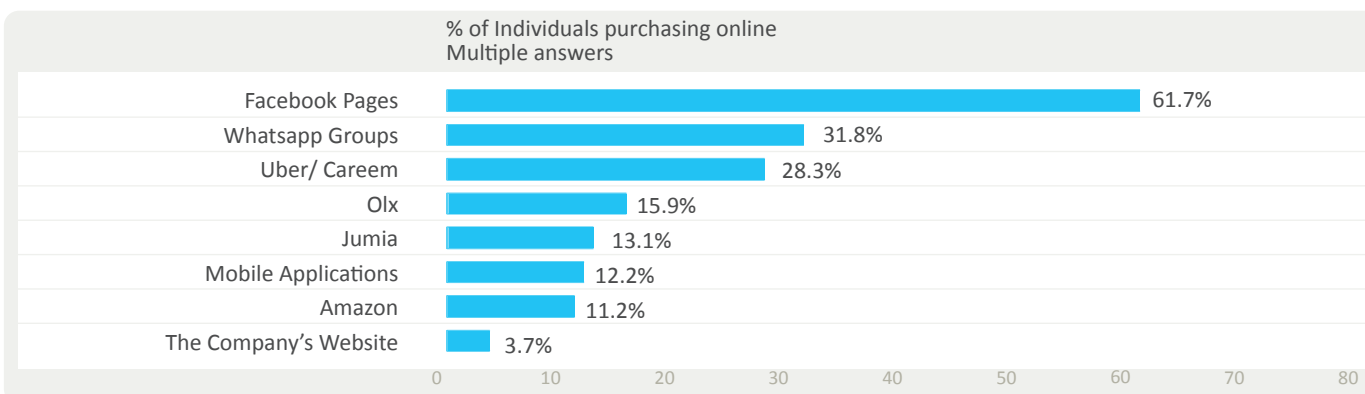
- The proportion of individuals using the Internet to purchase clothes, shoes, and others, reached about 48.8% in 2021/2022. Around 29.7% purchase food products, 28.3% use Uber and Careem services, 18% purchase cosmetics, and 13.8% purchase medicines.



Source: "Survey of e-commerce usage by individuals purchasing online at the age category (15-74)", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

Most Used Online Shopping Websites/ Applications

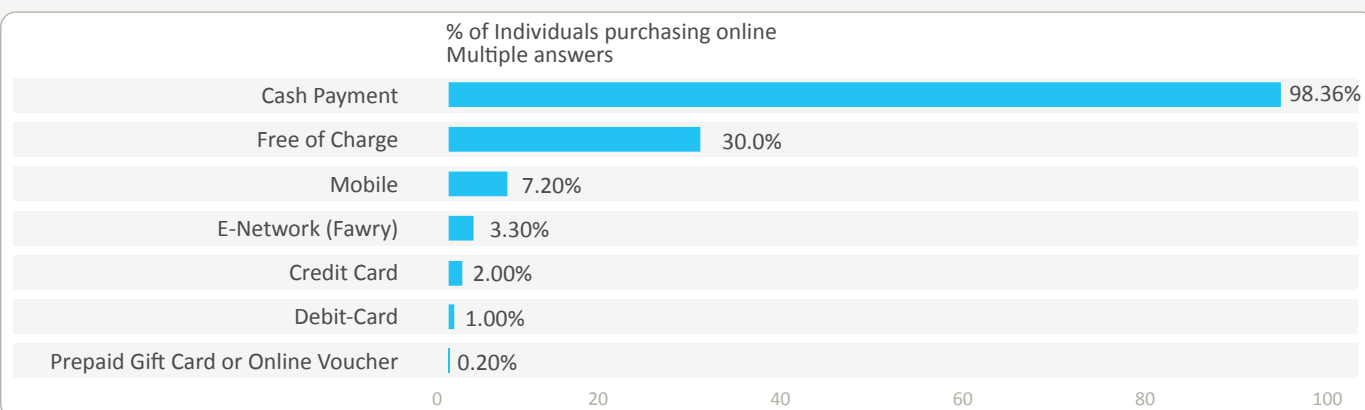
- The proportion of individuals using Facebook pages to purchase online reached 61.7%. Around 31.8% purchase through WhatsApp groups, 28.3% use Uber and Careem applications, and 15.9% of individuals use the OLX application to purchase online. About 13.1%, 12.2%, and 11.3% respectively use Jumia, other mobile applications, and Amazon and the proportion of individuals purchasing from the company's website reached 3.7%.



Source: "Survey of e-commerce usage by individuals purchasing online at the age category (15-74)", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

e-Commerce Users (Purchasing Online) according to Payment Methods

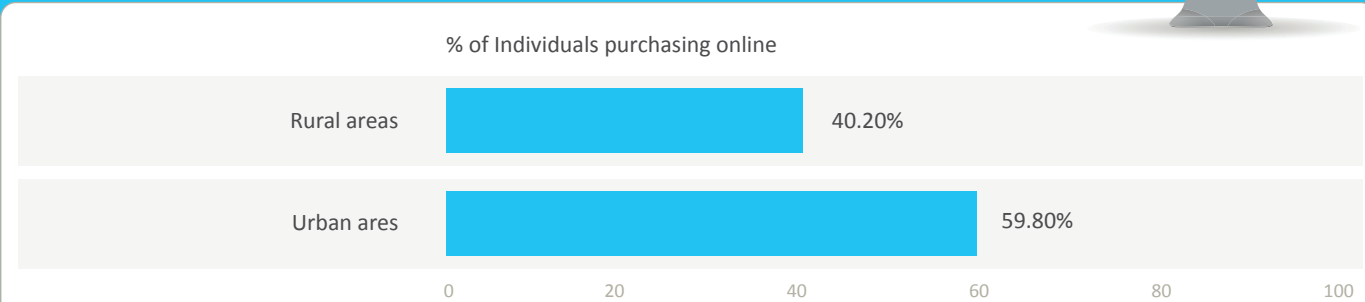
- The proportion of users purchasing online and preferring cash payment upon receipt reached 98.4%, while 7.2% prefer to pay via mobile phones and 3.3% use e-networks such as Fawry. Meanwhile, the proportion of using credit, prepaid, and prepaid gift card users were 2%, 1%, and 0.2%, respectively.



Source: "Survey of e-commerce usage by individuals purchasing online at the age category (15-74)", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

e-Commerce Users (Purchasing Online) according to (Urban/ Rural)

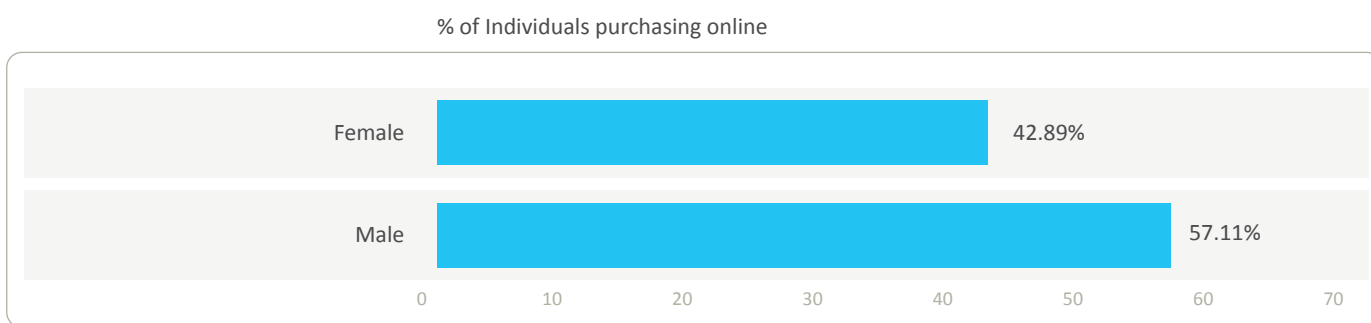
- The proportion of e-commerce users purchasing online in rural areas was 40.2%, while in urban areas was 59.8%.



Source: "Survey of e-commerce usage by individuals purchasing online at the age category (15-74)", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

e-Commerce Users (Purchasing Online) according to Gender (Male/ Female)

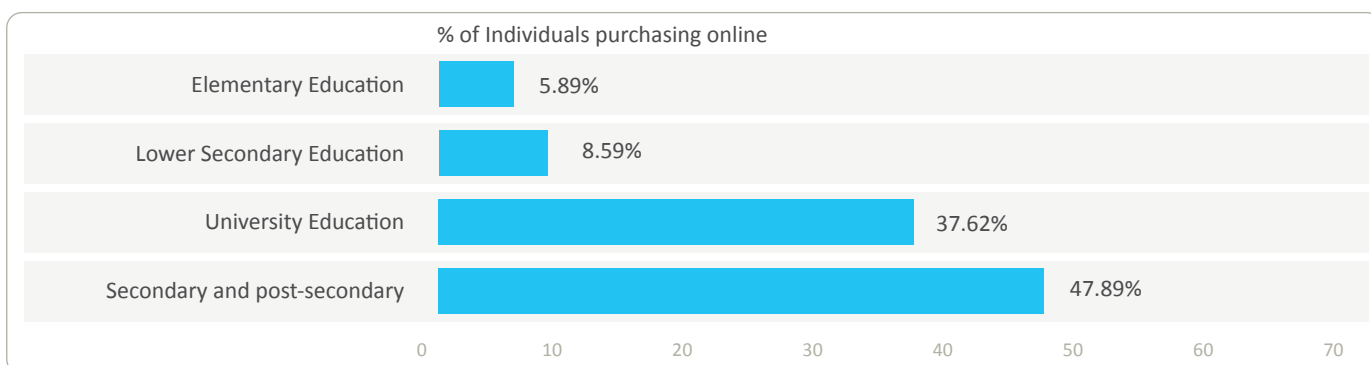
- The proportion of e-commerce male users purchasing online is 57.1%, while the proportion of female users is about 42.9%.



Source: “Survey of e-commerce usage by individuals purchasing online at the age category (15-74)”, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

e-Commerce Users (Purchasing Online) according to Education

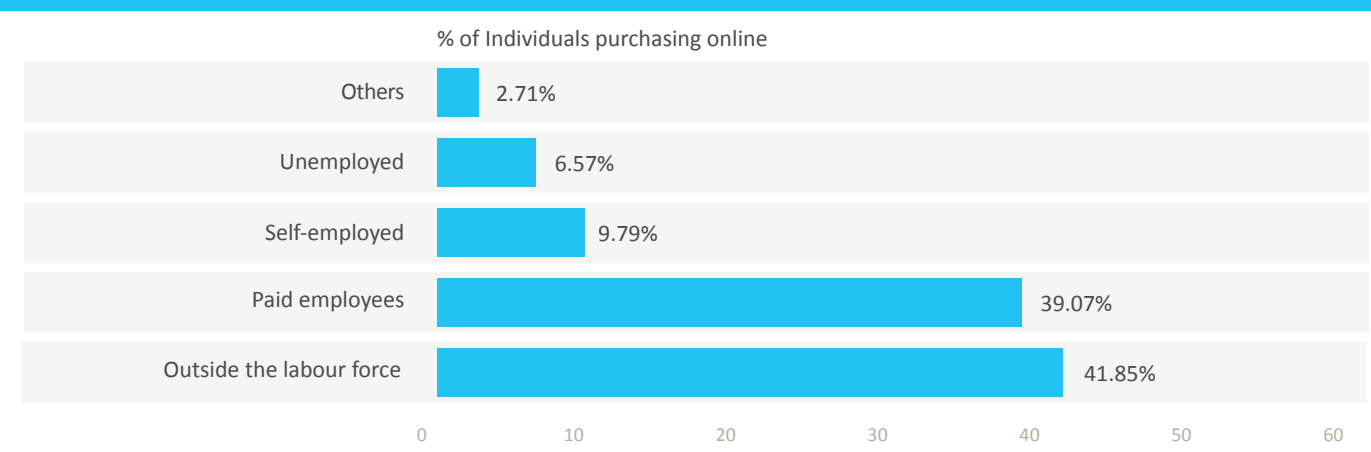
- The proportion of individuals with secondary and post-secondary education purchasing online reached 47.8%, followed by 37.6% for individuals with university education, and 8.6% for those with lower secondary education, and the proportion of individuals in elementary education purchasing online reached 5.89%.



Source: “Survey of e-commerce usage by individuals purchasing online at the age category (15-74)” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

e-Commerce Users (Purchasing Online) according to Work Status

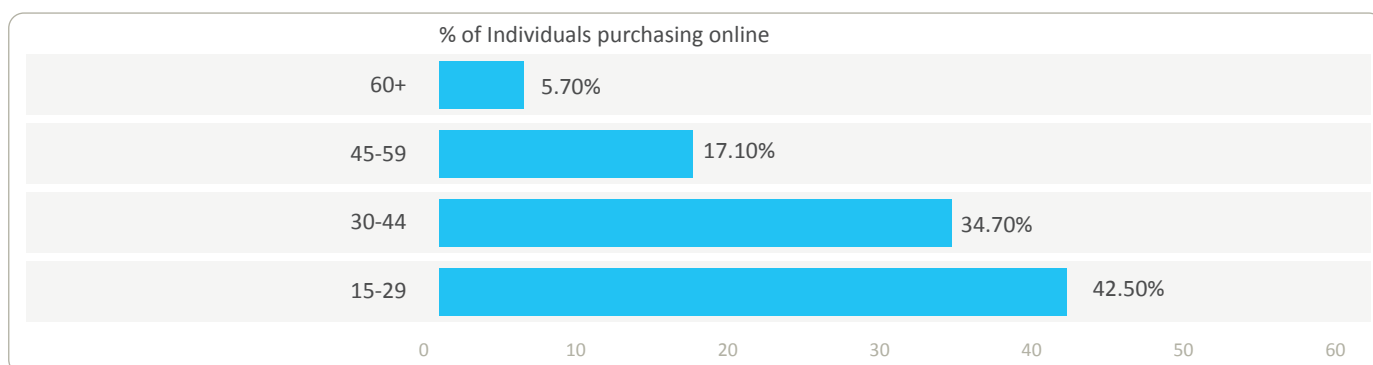
- The proportion of individuals outside the labor force purchasing online was 41.9%, followed by 39.1% for paid employees, 9.8% for self-employed and 6.6%, 2.7% respectively for unemployed and others.



Source: “Survey of e-commerce usage by individuals”, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

e-Commerce Usage (Purchasing Online) according to Age Categories

- The proportions of individuals purchasing online at the age categories (15-29) reached 42.5%, and 34.7% for individuals at the age category (30-44), followed by 17.1% for individuals at the age category (45-59) and finally 5.7% for individuals at the age category (60 and over).



Source: "Survey of e-commerce usage by individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

Number of Graduates of Capacity Building Programs Provided by Information Technology Institute (ITI)

Training Track	July -Sep. 2022
Artificial Intelligence	193
Professional Web Development & BI	169
Open Source Applications Development	116
Embedded Systems	50
Mobile Applications Development (Native)	44
Web & User Interface Development	35
Cloud Applications Development	29
Systems Administration	29
Cloud Architecture	28
Software Testing & Quality Assurance	27
Cyber Security	27
Geoinformatics	27
Enterprise & Web Applications Development (Java)	23
Cross Platform Mobile Applications Development	23
Mobile Applications Development	21
Software Architecture	19
Mobile Applications Development (Cross Platform)	18
VFX & Compositing	17
Telecom Applications Development	17
2D Animation and Motion Graphics	17
Civil Engineering Informatics	15
IOT Applications Development	15
Industrial Automation	15
FX Dynamics	15
Data Management	15
3D Animation	15
Wireless Communications	15
ERP Consulting	14
3D Generalist	14
Game Art	14
Digital IC Design	13
Game Programming	13
Data Science	13
Total	1115

Source: Ministry of Communications and Information Technology and Information Technology Institute.

ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 99.38 million in October - December 2022, compared to 103.45 million in October - December 2021, representing an annual change rate of -3.94%.
- Mobile penetration reached 94.16% in October - December 2022, compared to 99.78% in October - December 2021, representing an annual change rate of -5.62%.
- ADSL subscribers increased to 11.04 million in October - December 2022, compared to 10.07 million in October - December 2021, representing an annual change rate of 9.6%.

ICT Sector's Role in Development

- The proportion of e-commerce users in rural areas is 40.2%, while in urban areas is 59.8%.
- The proportion of e-commerce for men purchasing online is 57.1%, while 42.9% for women.
- The proportion of individuals using WhatsApp groups is 31.8%, followed by 28.3% for those using Uber and Careem applications.
- The number of ITI graduates till October - December 2022 reached 15.89 thousand trainees.
- The number of graduates who received the software training till July – September 2022: 37.119 thousand graduates.