

Telecommunications

Services and infrastructure

Values as of 31 Dec. or annual volumes

	2017	2018	2019	2020	2021	2022	2023	2024	2025
Electronic communications market									
Registered providers	46	48	48	49	48	50	51	52	55
Service providers in the end customer market									
Providers of telephone service	5	5	8	9	9	10	10	9	8
Providers of broadband internet service	12	12	12	13	14	15	15	16	15
Providers of TV service	5	6	6	7	7	7	8	8	8
Providers of leased line/data transmission service	18	16	16	16	16	12	13	12	12
Providers of mobile service (voice, SMS, Internet)	3	3	3	4	4	4	4	4	5
Service provider in the wholesale market									
Wholesale providers of broadband access service	4	4	4	5	4	4	3	3	3
Wholesale providers of fixed-line telephone service	1	1	3	3	3	3	3	3	3
Work places (full-time equivalents) in Liechtenstein	163	178	165	165	178	179	171	156	144
Net revenues, CHF million	91	97	107	119	137	145	155	152	148
<i>of which fixed network services for end users</i>	30	31	30	29	27	24	23	25	25
<i>of which mobile services for end users</i>	11	18	23	23	35	40	46	51	50
<i>of which leased lines and data transmission for end users</i>	4	4	4	5	5	5	4	4	4
<i>of which other services for end users</i>	2	1	1	1	1	1	1	1	1
<i>of which wholesale services</i>	43	41	47	60	68	75	80	71	68
<i>of which other net sales</i>	0	1	2	1	1	1	1	0	
Investments, CHF million	18	25	22	23	22	19	19	17	15
Fixed net communications									
Internet									
Internet connections, total	16'230	16'712	17'173	18'050	18'554	19'238	19'579	19'970	20'217
<i>of which Internet via copper wire pairs</i>	9'502	8'480	6'751	4'458	2'474	1'124	-	*	*
<i>of which Internet via coax connection</i>	6'251	6'819	6'339	4'751	3'254	2'099	1'084	1'044	1'027
<i>of which Internet via fibre optic connection</i>	477	1'413	4'083	8'841	12'826	15'999	18'399	18'813	19'080
<i>of which Internet via other connections</i>	-	-	-	-	-	16	96	113	110
<i>of which with download performance below 10 Mbit/s</i>	1'088	1'751	1'040	584	233	109	15	15	4
<i>of which with download performance 10 - 49 Mbit/s</i>	12'096	10'522	7'787	4'406	2'411	1'093	330	239	221
<i>of which with download performance 50 - 99 Mbit/s</i>	2'384	1'990	2'529	1'868	1'746	1'504	878	128	118
<i>of which with download performance 100 to 199 Mbit/s</i>	353	1'345	2'412	5'271	6'483	6'879	1'444	2'004	1'119
<i>of which with download performance from 200 Mbit/s</i>	303	1'104	3'405	5'921	7'681	9'653	16'912	17'584	18'755
<i>of which with download performance 200 - 499 Mbit/s</i>	*	*	1'620	1'482	1'568	1'950	7'003	5'924	6'155
<i>of which with download performance 500 - 999 Mbit/s</i>	*	*	682	2'936	3'683	4'793	5'550	6'239	6'003
<i>of which with download performance from 1 Gbit/s</i>	*	*	1'101	1'499	2'430	2'910	4'359	5'421	6'597
<i>of which with download performance 1 - 4.9 Gbit/s</i>	*	*	1'101	1'499	2'423	2'811	3'868	4'350	3'964
<i>of which with download performance from 5 Gbit/s</i>	*	*	*	*	7	99	491	1'071	2'633
<i>of which with download performance 5 - 9.9 Gbit/s</i>	*	*	*	*	-	96	487	1'042	2'343
<i>of which with download performance 10 - 49 Gbit/s</i>	*	*	*	*	7	3	4	29	289
<i>of which with download capacity from 50 Gbit/s</i>	*	*	*	*	-	-	-	-	1
<i>of which bundled with TV and fixed-line telephony (triple play)</i>	1'621	2'653	3'544	4'742	5'744	6'105	6'275	6'007	5'664
<i>of which bundled with fixed net telephony (double play)</i>	3'500	3'568	3'276	2'747	2'683	2'246	1'954	1'915	1'437
<i>of which bundled with TV (double play)</i>	2'330	3'130	3'788	4'565	5'491	6'073	6'585	6'810	6'791
Telephone									
Telephone connections, total	15'342	15'243	13'727	12'607	11'513	10'810	10'280	9'892	9'399
PSTN analogue telephone connections	6'210	5'140	3'831	2'281	1'191	592	-	*	*
ISDN basic connections	3'791	3'056	2'323	1'101	472	139	-	*	*
ISDN primary rate connections	80	66	55	41	29	18	-	*	*
VoIP connections	5'261	6'981	7'518	9'184	9'821	10'061	10'280	9'892	9'399
<i>of which VoIP via copper wire pairs</i>	3'542	4'149	2'896	1'557	1'185	1'038	-	*	*
<i>of which VoIP via coax connection</i>	1'577	2'218	2'266	2'694	1'415	943	519	497	474
<i>of which VoIP via fibre optic connection</i>	142	614	1'912	4'384	6'795	7'640	9'270	8'936	8'460
<i>of which VoIP via mobile phone connection at a fixed locat.</i>	*	*	-	-	-	-	-	-	-
<i>of which as a service via the Internet</i>	*	*	444	549	426	440	491	459	465
<i>of which as a single service (unbundled)</i>	*	*	*	*	603	1'051	1'431	1'403	1'446
Fixed net phone numbers used	125'206	122'423	120'064	111'762	106'182	108'966	110'334	100'849	101'667
<i>of which ported fixed-net phone numbers</i>	460	973	1'833	7'862	13'179	16'438	17'107	15'639	14'519
Public telephones	-	*	*	*	*	*	*	*	*
Television									
Television connections, total	16'060	16'046	16'135	15'014	14'642	14'163	14'460	14'422	13'916
Cable television connections DVB-C	12'187	10'827	9'336	5'877	3'947	2'558	2'213	2'067	1'892
<i>of which DVB-C via coax connection</i>	12'187	10'827	9'100	5'387	3'325	1'769	945	1'087	920
<i>of which DVB-C via fibre optic connection</i>	*	*	236	490	622	789	1'268	980	972
IP television connections	3'873	5'219	6'799	9'137	10'695	11'605	12'247	12'355	12'024
<i>of which IPTV via copper wire pairs</i>	1'804	1'883	1'723	1'397	858	383	-	*	*
<i>of which IPTV via coaxial connection</i>	1'845	2'441	2'409	1'846	1'238	616	313	120	193
<i>of which IPTV via fibre optic connection</i>	224	895	2'664	5'889	8'585	10'594	11'921	12'220	11'816
<i>of which IPTV via internet</i>	-	-	3	5	14	12	13	15	15
Regulated wholesale services in the national fixed net									
unbundled ocal loops, total	19'075	17'365	17'495	17'379	18'068	18'959	19'999	20'425	20'659
<i>of which via copper pair</i>	18'256	15'677	13'091	7'894	4'253	1'750	-	*	*
<i>of which via optical fibre</i>	819	1'688	4'404	9'485	13'815	17'209	19'999	20'425	20'659
CATV/HFC channels downstream	65	65	65	65	65	65	-	-	-
Backhaul dark fibre optic, in twin-fibre metres	1'734'746	1'856'226	1'781'034	2'075'622	1'870'386	1'730'510	1'618'369	1'536'981	1'615'476
Cable ducts in the access segment, in metres	2'152	2'375	2'684	2'882	3'307	3'307	3'054	3'054	2'299
Cable ducts in the backhaul segment, in metres	1'892	4'687	4'687	4'687	4'687	4'687	4'581	4'581	4'581

	2017	2018	2019	2020	2021	2022	2023	2024	2025
Fixed network infrastructure									
Fibre optic access network, point-to-point FTTH architecture									
Coverage (% of all households and workplaces)	*	27%	47%	65%	86%	99%	100%	100%	100%
Utilisation (% of all fibre optic local loops)	*	19%	36%	59%	65%	69%	76%	79%	79%
Line lengths in km									
171'836	171'836	178'730	191'626	202'171	210'279	219'318	64'406	65'546	65'505
of which copper wire pairs	142'650	142'900	143'100	143'200	143'200	143'200	-	*	*
of which optical fibre - twin fibre	28'695	35'336	48'029	58'472	66'579	75'618	64'336	65'476	65'435
of which coaxial cable	491	494	497	499	500	500	70	70	70
Building connections, total									
21'830	21'830	23'269	24'090	23'797	20'941	19'309	13'216	13'273	13'373
of which in the copper pair network	10'885	10'858	9'880	8'865	6'026	3'971	-	*	*
of which in the coax/HFC network	9'940	10'008	10'057	8'789	6'510	4'944	2'256	2'256	2'256
of which in the fibre optic network	1'005	2'403	4'153	6'143	8'405	10'394	10'960	11'017	11'117
Mobile communications									
Mobile phone connections (address in LIE)									
46'402	46'402	47'272	47'748	48'887	49'223	49'660	50'313	51'468	52'017
of which with +423 phone number	12'223	14'003	14'954	16'321	17'287	18'110	18'783	19'643	20'246
of which with +41 phone number	34'179	33'269	32'794	32'566	31'936	31'550	31'530	31'825	31'771
Mobile internet connections (address in LIE, without M2M/IoT)									
2'283	2'283	2'016	2'652	1'978	1'878	1'777	1'894	1'935	1'898
of which in Liechtenstein network	985	935	1'698	1'176	1'100	993	985	1'954	886
of which in Swiss network	1'298	1'081	954	802	778	784	909	981	1'012
+423 mobile phone numbers used (without M2M/IoT)									
13'089	13'089	14'985	17'420	17'484	19'327	20'158	20'952	21'269	22'492
of which ported mobile phone numbers	-	-	-	390	614	847	1'029	1'285	1'594
Mobile network infrastructure									
Mobile networks	3	3	3	3	3	3	3	3	3
Coverage all technologies, % of the population	97	97	97	97	97	97	97	97	98
Coverage 4G/LTE, % of the population	97	97	97	97	97	97	97	97	98
Coverage 5G, % of the population	*	*	-	-	-	-	90	90	91
Mobile radio stations (ERP value at least 6 dBW)	22	22	23	23	23	23	25	25	26
Connections									
Outgoing calls, total duration in million minutes									
50.6	50.6	48.1	45.8	52.1	44.4	38.5	34.0	32.4	29.6
Outgoing calls from fixed network	41.0	37.6	34.3	38.2	30.8	25.5	21.6	19.4	17.3
of which to Liechtenstein	18.8	17.2	15.8	17.5	15.3	12.7	11.0	9.9	8.7
of which to Switzerland	14.4	13.7	12.6	14.3	10.3	8.3	7.0	6.5	6.0
of which to International (excl. Switzerland)	7.8	6.7	5.9	6.4	5.2	4.5	3.5	2.9	2.7
Outgoing calls from the mobile network, +423 connections	9.6	10.5	11.5	13.9	13.6	13.0	12.5	13.0	12.3
of which to Liechtenstein	5.3	5.2	5.5	6.9	6.9	6.6	6.3	6.5	6.2
of which to Switzerland	2.4	3.0	3.7	4.2	4.3	4.2	4.0	4.3	4.1
of which to International (excl. Switzerland)	1.9	2.2	2.3	2.8	2.5	2.2	2.2	2.2	2.0
Terminated calls, total duration in million minutes									
54.4	54.4	54.8	53.4	61.8	54.0	50.6	45.7	42.8	35.6
of which terminated to fixed network	44.2	42.2	40.4	46.6	38.0	34.9	30.7	28.4	26.0
of which terminated to mobile network, +423 connections	10.1	12.6	13.1	15.2	15.9	15.6	15.1	9.9	9.6
Data volume of broadband connections (excluding IPTV streaming)									
Total data volume, in petabytes									
*	*	44.6	66.9	71.0	80.6	68.4	94.7	111.7	
of which upload and download in fixed network	*	*	44.0	66.0	69.7	79.3	66.9	92.8	110.0
of which uploads and downloads in the mobile network, +423 connec	*	*	0.6	0.9	1.3	1.3	1.5	1.9	1.7
Country Liechtenstein (Source: Office for Statistics)									
Land area: 160 km ² , Settlement area: 18 km ²									
Inhabitants	38'114	38'378	38'747	39'062	39'308	39'677	40'015	40'886	41'228
Households	16'949	17'192	17'382	17'641	17'784	18'010	18'242	18'519	18'675
Workplaces	5'314	5'497	5'715	5'889	6'029	6'160	6'250	6'317	6'350
Buildings	10'984	11'090	11'130	11'203	11'266	11'361	11'420	11'478	11'529
Dwellings	20'514	20'865	21'067	21'361	21'579	21'902	22'067	22'215	22'447
Gross national income, at current prices, CHF million	6'645	6'765	6'231	6'453	6'102	5'905	6'972	*	*
Gross domestic product, at current prices, CHF million	6'375	6'545	6'396	6'014	7'231	7'091	7'403	7'481	*

Explanation of the table:

Net revenue: For activities performed in Liechtenstein and activities with Liechtenstein resources
PSTN: Public Switched Telephone Network, call transmission via dedicated lines
ISDN primary rate lines: Digital connection with 30 channels
VoIP connections: Voice over Internet Protocol; Internet telephony via IP-based networks with managed quality
IP television: Services such as television, video, audio, via IP-based networks with managed quality
DVB-C: Digital television broadcasting; signal transmission via hybrid fibre optic and coaxial cable networks
Internet connections: without public WLAN
FTTH: dedicated fibre optic subscriber line with fibre optics from the central office to the user premises
Mobile phone connections: with domestic and foreign providers
Connection volumes and data volumes in mobile networks: Related to Liechtenstein mobile networks and +423 numbers
Mobile Internet connections: Mobile exclusive internet access ("data only"), with domestic and foreign providers
Values under "Country Liechtenstein": taken from publications of the Office of Statistics
Household values 2015 and 2020 from census; household values for other years: estimated values from the Office for Communications

- A dash in place of a number means zero.
- 0 A zero in place of another number means a quantity that is smaller than half of the counting unit used.
- * An asterisk in place of a number means that the number is not available or not collected or omitted for data protection reasons.