

表 2 1 工業及服務業企業單位營運數位化及創新活動概況－按中行業別分

單位：家

民國 1 0 5 年

	年底企業 單位總數 Number of enterprise units, end of 2016	使用電腦或網路設備 Using computers or internet equipment(digitalization)			
		企業單位數 Number of enterprise units	協助內部作業家數		透過網路提供 營業資訊家數 Number of enterprise units offering operating information through internet
			Number of enterprise units with computerized information system	Number of enterprise units making managerial decision through computerized information system	
總計	1 296 304	854 884	830 699	37 501	514 650
礦業及土石採取業	282	264	264	6	104
石油及天然氣礦業	2	(D)	(D)	(D)	(D)
砂、石採取及其他礦業	280	(D)	(D)	(D)	(D)
製造業	161 334	136 032	134 949	11 907	85 497
食品及飼品製造業	7 859	5 290	5 229	476	3 177
飲料、菸草製造業	589	480	473	51	319
紡織業	5 563	4 595	4 579	345	2 538
成衣及服飾品製造業	3 768	2 614	2 588	144	1 436
皮革、毛皮及其製品製造業	1 603	1 327	1 315	119	800
木竹製品製造業	2 749	1 939	1 922	66	1 126
紙漿、紙及紙製品製造業	3 562	3 154	3 128	195	1 877
印刷及資料儲存媒體複製業	9 607	8 631	8 551	273	5 807
石油及煤製品製造業	143	137	137	20	77
化學原材料、肥料、氮化合物、塑橡膠原料 及人造纖維製造業	1 715	1 578	1 569	246	964
其他化學製品製造業	2 502	2 328	2 312	341	1 620
藥品及醫用化學製品製造業	511	491	491	152	382
橡膠製品製造業	1 881	1 688	1 681	151	1 066
塑膠製品製造業	11 508	10 088	10 019	721	6 423
非金屬礦物製品製造業	3 443	2 930	2 900	220	1 678
基本金屬製造業	4 768	4 233	4 217	462	2 343
金屬製品製造業	43 041	35 150	34 892	1 884	20 734
電子零組件製造業	5 908	5 644	5 610	1 164	4 134
電腦、電子產品及光學製品製造業	3 505	3 393	3 378	822	2 741
電力設備及配備製造業	6 181	5 707	5 663	669	3 826
機械設備製造業	19 252	17 677	17 598	1 985	12 068
汽車及其零件製造業	3 435	3 111	3 098	351	1 993
其他運輸工具及其零件製造業	2 862	2 562	2 553	360	1 613
家具製造業	2 727	2 271	2 247	176	1 456
其他製造業	4 576	3 651	3 622	364	2 492
產業用機械設備維修及安裝業	8 076	5 363	5 177	150	2 807
電力及燃氣供應業	667	609	602	32	255
用水供應及污染整治業	5 306	3 145	3 103	84	1 621
用水供應業	17	15	15	9	10
廢水及污水處理業	740	401	391	6	238
廢棄物清除、處理及資源回收處理業	4 422	2 616	2 584	65	1 301
污染整治業	127	113	113	4	72
營建工程業	108 669	67 692	65 944	1 398	36 916
建築工程業	9 795	7 168	7 107	309	4 379
土木工程業	10 757	7 319	7 213	183	4 068
專門營造業	88 117	53 205	51 624	906	28 469
批發及零售業	509 937	339 338	330 614	11 760	208 252
批發業	224 716	196 779	194 474	8 164	123 073
零售業	285 221	142 559	136 140	3 596	85 179
運輸及倉儲業	47 830	17 662	17 437	614	10 042
陸上運輸業	38 088	9 697	9 578	228	5 642
水上運輸業	363	292	285	16	208
航空運輸業	51	51	51	18	48
運輸輔助業	8 059	6 513	6 426	295	3 591
倉儲業	766	688	685	38	354
郵政及快遞業	503	421	412	19	199

註：1.因企業使用電腦或網路設備之方式可能不只一項，故各方式之家數加總可能大於企業單位數。

2.因企業創新活動之方式可能不只一項，故各方式之家數加總可能大於企業單位數。

TABLE 21 Business Digitalization and Innovation Activities of Enterprise Units of All Industries, by Subsector

2016

Unit:Enterprise

電子化(網路)銷售 Selling on internet		創新活動概況 Innovation activities				
企業單位數	跨國銷售家數	企業單位數	產品或服務 創新家數	製程或服務後臺 作業創新家數	組織創新 家數	
Number of enterprise units	Number of enterprise units of transnational sales	Number of enterprise units	Number of enterprise units of service innovation	Number of enterprise units of back-end operational inno.	Number of enterprise units of organizational innovation	
92 699	6 964	54 767	33 467	24 012	27 623	Grand Total
-	-	2	-	1	2	Mining and Quarrying
(D)	(D)	(D)	(D)	(D)	(D)	Extraction of Crude Petroleum and Natural Gas
(D)	(D)	(D)	(D)	(D)	(D)	Quarrying of Stone, Sand, Clay and Other Mining
12 002	1 391	13 900	7 780	7 638	6 664	Manufacturing
1 077	62	703	408	399	328	Manufacture of Food Products and Prepared Animal Feeds
86	4	72	40	39	29	Manufacture of Beverages & Tobacco Products
314	33	383	215	233	176	Manufacture of Textiles
273	30	181	112	87	87	Manufacture of Wearing Apparel and Clothing Accessories
118	12	181	98	89	92	Manufacture of Leather, Fur and Related Products
120	8	123	59	56	48	Manufacture of Wood and of Products of Wood and Bamboo
221	13	204	92	116	96	Manufacture of Paper and Paper Products
660	28	541	328	301	226	Printing and Reproduction of Recorded Media
16	2	17	8	9	9	Manufacture of Petroleum and Coal Products
128	25	243	146	139	90	Manufacture of Chemical Material, Fertilizers and Nitrogen Compounds, Plastic and Rubber Materials, Man-made Fibres
432	66	420	263	211	214	Manufacture of Other Chemical Products
85	12	158	107	92	76	Manufacture of Pharmaceuticals and Medicinal Chemical Products
148	23	156	86	105	75	Manufacture of Rubber Products
822	92	838	417	447	419	Manufacture of Plastics Products
240	15	297	167	170	115	Manufacture of Other Non-metallic Mineral Products
232	20	422	193	231	195	Manufacture of Basic Metals
1 633	159	2 367	997	1 283	1 149	Manufacture of Fabricated Metal Products
772	128	982	706	603	451	Manufacture of Electronic Parts and Components
701	123	920	728	494	404	Manufacture of Computers, Electronic and Optical Products
710	101	765	479	429	377	Manufacture of Electrical Equipment
1 665	236	2 186	1 120	1 136	1 170	Manufacture of Machinery and Equipment
277	43	348	193	207	167	Manufacture of Motor Vehicles and Parts
216	45	375	204	219	185	Manufacture of Other Transport Equipment and Parts
239	22	227	118	120	127	Manufacture of Furniture
503	74	498	323	272	243	Other Manufacturing
314	15	293	173	151	116	Repair and Installation of Industrial Machinery and Equipment
9	-	19	1	11	11	Electricity and Gas Supply
-	-	111	34	70	50	Water Supply and Remediation Activities
-	-	2	-	-	2	Water Supply
-	-	14	9	6	4	Wastewater and Sewage Treatment
-	-	89	24	61	40	Waste Collection, Treatment and Disposal Activities; Materials Recovery
-	-	6	1	3	4	Remediation Activities and Other Waste Management Services
184	3	2 872	1 576	1 338	1 198	Construction
22	-	347	169	168	202	Construction of Buildings
19	-	310	132	156	146	Civil Engineering
143	3	2 215	1 275	1 014	850	Specialized Construction Activities
62 220	3 531	20 300	12 508	7 938	10 623	Wholesale and Retail Trade
29 106	2 754	12 482	7 036	5 129	7 102	Wholesale Trade
33 114	777	7 818	5 472	2 809	3 521	Retail Trade
722	90	671	323	333	339	Transportation and Storage
287	11	340	167	165	159	Land Transportation
69	4	14	10	8	10	Water Transportation
36	32	10	5	4	9	Air Transport
282	37	252	120	114	141	Support Activities for Transportation
21	3	33	9	26	14	Warehousing and Storage
27	3	22	12	16	6	Postal and Courier Activities

Note: 1.Since there may be more than one way for enterprise to use computers or internet equipment, the total number of unit in each mode may be greater than the number of enterprise units.

2.Because there may be more than one way of enterprise innovation activities, the total number of unit in each mode may be greater than the number of enterprise units.

表 2 1 工業及服務業企業單位營運數位化及創新活動概況－按中行業別分（續）

	民國 1 0 5 年				
	年底企業 單位總數 Number of enterprise units, end of 2016	使用電腦或網路設備 Using computers or internet equipment(digitalization)			透過網路提供 營業資訊家數 Number of enterprise units offering operating information through internet
		企業單位數 Number of enterprise units	協助內部作業家數		
			Number of enterprise units with computerized information system	Number of enterprise units making managerial decision through computerized information system	
住宿及餐飲業	144 654	57 094	51 822	819	35 359
住宿業	9 533	8 608	7 106	323	7 999
餐飲業	135 121	48 486	44 716	496	27 360
出版、影音製作、傳播及資通訊服務業	16 446	16 253	15 758	2 506	11 923
出版業	3 113	3 030	2 946	245	2 285
影片及電視節目業、聲音錄製及音樂發行業	2 935	2 827	2 756	170	1 783
廣播、電視節目編排及傳播業	308	306	302	44	228
電信業	343	343	337	98	244
電腦程式設計、諮詢及相關服務業	6 947	6 947	6 758	1 391	5 402
資訊服務業	2 800	2 800	2 659	558	1 981
金融及保險業、強制性社會安全	20 362	18 852	18 326	1 606	8 971
金融服務業	16 748	15 433	14 977	1 231	6 978
保險業、強制性社會安全	997	985	981	121	676
證券期貨及金融輔助業	2 617	2 434	2 368	254	1 317
不動產業	28 088	26 161	25 770	1 064	16 424
不動產開發業	10 702	10 061	9 989	507	5 971
不動產經營及相關服務業	17 386	16 100	15 781	557	10 453
專業、科學及技術服務業	52 525	50 491	48 971	2 535	31 899
法律及會計服務業	11 084	10 689	10 495	352	5 898
企業總管理機構及管理顧問業	8 056	7 701	7 359	526	4 460
建築、工程服務及技術檢測、分析服務業	7 254	7 116	6 982	535	4 880
研究發展服務業	311	301	296	77	189
廣告業及市場研究業	10 245	9 773	9 457	453	6 767
專門設計業	8 926	8 627	8 346	396	5 811
獸醫業	1 058	957	935	15	537
其他專業、科學及技術服務業	5 591	5 327	5 101	181	3 357
支援服務業	24 747	19 685	19 155	699	12 166
租賃業	6 654	4 639	4 459	108	2 594
人力仲介及供應業	3 643	3 268	3 207	164	2 049
旅行及相關服務業	2 936	2 891	2 842	194	2 424
保全及偵探業	661	653	653	53	496
建築物及綠化服務業	6 997	4 845	4 709	90	2 672
行政支援服務業	3 856	3 389	3 285	90	1 931
教育業(註)	23 133	20 444	20 000	407	14 102
醫療保健及社會工作服務業	28 106	26 253	25 614	1 373	14 013
醫療保健業	25 388	23 673	23 063	1 239	12 094
居住型照顧服務業	1 350	1 324	1 308	96	1 044
其他社會工作服務業	1 368	1 256	1 243	38	875
藝術、娛樂及休閒服務業	19 362	14 880	14 312	227	6 021
創作及藝術表演業	2 863	2 164	2 079	83	1 390
博物館及類似機構	129	116	112	7	101
博弈業	7 178	7 175	6 953	25	1 669
運動、娛樂及休閒服務業	9 192	5 425	5 168	112	2 861
其他服務業	104 856	40 029	38 058	464	21 085
個人及家庭用品維修業	46 030	20 271	19 504	238	9 726
未分類其他服務業	58 826	19 758	18 554	226	11 359

註：本表教育業僅涵蓋學前教育之幼兒園(不含小學(含)以上之各級學校)、教育輔助業及其他教育業，如代辦留(遊)學服務、各類補習班、才藝班及汽車駕訓班等。

TABLE 21 Business Digitalization and Innovation Activities of Enterprise Units of All Industries, by Subsector(Cont.)

2016

Unit:Enterprise

電子化(網路)銷售 Selling on internet		創新活動概況 Innovation activities				
企業單位數	跨國銷售家數	企業單位數	產品或服務 創新家數	製程或服務後臺 作業創新家數	組織創新 家數	
Number of enterprise units	Number of enterprise units of transnational sales	Number of enterprise units	Number of enterprise units of service innovation	Number of enterprise units of back-end operational inno.	Number of enterprise units of organizational innovation	
4 955	1 112	4 354	2 937	1 837	2 219	Accommodation and Food Service Activities
3 564	1 108	452	250	161	308	Accommodation
1 391	4	3 902	2 687	1 676	1 911	Food and Beverage Service Activities
3 849	463	2 482	1 805	1 106	1 278	Information and Communication
1 025	158	323	192	147	195	Publishing Activities
373	43	356	228	181	172	Motion Picture, Video and Television Programme Production, Sound Recording and Music Publishing Activities
48	6	72	43	49	49	Programming and Broadcasting Activities
73	8	67	54	44	48	Telecommunications
1 719	170	1 272	1 005	514	585	Computer Programming, Consultancy and Related Activities
611	78	392	283	171	229	Information Service Activities
1 259	54	662	367	335	445	Financial and Insurance Activities ; Compulsory Social Security
938	28	387	205	168	258	Financial Service Activities
101	2	121	73	81	72	Insurance ; Compulsory Social Security
220	24	154	89	86	115	Security, Commodity Contracts, and Activities Auxiliary to Financial Service Activities
142	1	862	403	239	619	Real Estate Activities
34	-	343	154	96	240	Real Estate Development Activities
108	1	519	249	143	379	Real Estate Operation and Related Activities
3 033	137	3 508	2 485	1 256	1 749	Professional, Scientific and Technical Activities
173	1	165	78	45	101	Legal and Accounting Activities
449	31	483	306	134	342	Activities of Head Offices; Management Consultancy Activities
392	14	539	354	258	276	Architecture and Engineering Activities; Technical Testing and Analysis
14	-	144	137	44	60	Scientific Research and Development
944	29	840	607	272	429	Advertising and Market Research
716	46	901	705	319	336	Specialized Design Activities
12	-	28	19	12	12	Veterinary Activities
333	16	408	279	172	193	Other Professional, Scientific and Technical Activities
1 855	114	640	348	286	397	Support Service Activities
303	14	114	61	57	60	Rental and Leasing Activities
155	1	124	59	39	89	Employment Activities
1 094	93	137	86	63	96	Travel Agency, Tour Operator, Reservation Service and Related Activities
13	-	43	22	16	32	Security and Investigation Activities
146	-	143	74	63	76	Services to Buildings and Landscape Activities
144	6	79	46	48	44	Office Administrative and Support Activities
632	14	672	398	197	419	Education(Note)
100	1	1 437	966	560	670	Human Health and Social Work Activities
23	1	1 332	907	517	597	Human Health Activities
25	-	63	32	33	44	Residential Care Activities
52	-	42	27	10	29	Social Work Activities without Accommodation
435	40	404	231	154	230	Arts, Entertainment and Recreation
192	23	163	113	59	90	Creative, Arts and Entertainment Activities
18	1	16	13	8	10	Museums and Other Cultural Activities
1	1	22	6	-	20	Gambling and Betting Activities
224	15	203	99	87	110	Sports Activities and Amusement and Recreation Activities
1 302	13	1 871	1 305	713	710	Other Service Activities
724	3	560	344	247	186	Maintenance and Repair of Personal and Household Goods
578	10	1 311	961	466	524	Other Personal Service Activities

Note: Education in the 2016 Industry and Service Census only covers preschools for Pre-primary Education (exclude primary school (inclusive) and above schools at all levels), Educational Support Activities and Other Education, such as overseas study and study tour services agencies, all kinds of cram schools, talent classes and car driving classes, etc.