

USAGE OF INFORMATION TECHNOLOGY IN BUSINESS SECTOR

2007

The rate of usage of Information Technology (IT) in the business sector of Macao was 44% in 2007 and the major purposes of using IT included archives, accounting and sales. Among the establishments and enterprises using IT, 81% have had Internet connection and the major purpose was on-line information search.

Analysed by industry, the rate of IT usage was 100% in the Gaming Sector, with Travel Agencies and the Service Sector achieving a rate of 93% and 75% respectively. On the contrary, the rate of IT usage was lowest in Restaurants & Similar Establishments, at 25%.

1. Usage of Information Technology (IT) in the business sector

Classification of Industry	Total no. of Establishment/ Enterprise	No. of Establishment/ Enterprise Using IT	Rate of Usage (%)	Rate of Internet Connection (%)
Total	16,174	7,158	44	81
Industrial Production	1,115	701	63	89
Construction	1,621	1,037	64	87
Wholesale & Retail Trade	9,844	3,510	36	81
Travel Agencies	157	146	93	96
Hotels & Similar Establishments	82	50	61	92
Restaurants & Similar Establishments	1,494	368	25	#
Transport, Storage & Communications	404	245	61	87
Service Sector *	1,447	1,091	75	73
Gaming	10	10	100	#

Confidential data

* Refers to the activities of Real Estate Agencies, Real Estate Management, Security Services and Cleaning Services, Advertising and Conference/Exhibition Organizing Services

Usage of IT rose with the size of establishments and enterprises as expressed by the number of persons engaged. The rate of IT usage reached 98% in the large establishments and enterprises with 100 or more workers, in contrast to merely 39% in the small establishments and enterprises with less than 10 workers.

2. Usage of Information Technology by number of persons engaged

No. of Persons Engaged	Total no. of Establishment/ Enterprise	No. of Establishment/ Enterprise Using IT	Rate of Usage (%)
Total	16,174	7,158	44
<10	13,905	5,354	39
10 – 49	1,761	1,311	74
50 – 99	284	273	96
≥ 100	224	220	98

Official Statistics. Reproduction of these data is allowed provided the source is quoted.

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Likewise, the rate of IT usage rose with the total receipts of establishments and enterprises. The rate of IT usage reached 90% in those with total receipts amounting to MOP5,000,000 or more, contrary to only 33% in the establishments and enterprises with total receipts of less than MOP500,000.

3. Usage of Information Technology by total receipts

Total Receipts (MOP)	Total no. of Establishment/Enterprise	No. of Establishment/Enterprise Using IT	Rate of Usage (%)
Total	16,174	7,158	44
<500,000	7,846	2,576	33
500,000 – 999,999	3,057	1,115	36
1,000,000 – 1,999,999	2,062	978	47
2,000,000 – 4,999,999	1,317	789	60
≥5,000,000	1,892	1,700	90

Expenses and budget on Information Technology

In terms of the expenses on IT, 91% of the establishments and enterprises spent less than MOP50,000 in 2007, while less than 2% spent MOP200,000 or more.

For 2008, with regard to the budget on IT, 92% would spend less than MOP50,000 whereas less than 2% would spend MOP200,000 or more. In addition, for those establishments and enterprises not using IT, 5% intended to install computers in 2008 and most of their budget was under MOP50,000.

1. 工商業應用資訊科技主要指標

Principais indicadores sobre a utilização de tecnologia informática, por ramo de actividade económica
Principal Indicators on Usage of Information Technology (IT) in the Business Sector

行業分類 Ramo de actividade económica Industry	場所/企業 總數 Total de estab./empresas Total no. of Estab./Enterprise	有應用資訊科技 Utilização de tecnologia informática Using Information Technology				沒有應用資訊科技 Não utilizam tecnologia informática Not Using Information Technology	
		場所/企業 數目 Nº de estab./empresas No. of Estab./ Enterprise	%	有連接 互聯網 Com ligação à internet With Internet Connection	沒有連接 互聯網 Sem ligação à internet Without Internet Connection	場所/企業 數目 Nº de estab./empresas No. of Estab./ Enterprise	%
				(3/2)	(7/2)		
1	2	3	4	5	6	7	8
總數 Total Total	16 174	7 158	44	5 791	1 367	9 016	56
工業生產 Produção industrial Industrial Production	1 115	701	63	622	79	414	37
建築業 Construção Construction	1 621	1 037	64	906	131	584	36
旅行社 Agências de viagem Travel Agencies	157	146	93	140	6	11	7
酒店業 Hotéis e similares Hotels & Similar Establishments	82	50	61	46	4	32	39
飲食業 Restaurantes e similares Restaurants & Similar Establishments	1 494	368	25	#	#	1 126	75
運輸、倉儲及通訊業 Transportes, armazenagem e comunicações Transport, Storage and Communications	404	245	61	212	33	159	39
服務業 Sector de serviços Service Sector	1 447	1 091	159	800	291	356	41
不動產中介、不動產管理、保安服務及清潔服務 Agências imobiliárias, administração dos imóveis, actividades de segurança e limpeza industrial Real Estate Agencies, Real Estate Management, Security Services and Cleaning Services	1 137	822	72	543	279	315	28
廣告、會議/展覽籌辦服務 Publicidade e organização de conferência/exposição Advertising and Conference/Exhibition Organizing Services	310	269	87	257	12	41	13
博彩業 Jogo Gaming	10	10	100	#	#	-	-
批發及零售業 Comércio por grosso e a retalho Wholesale and Retail Trade	9 844	3 510	36	2 847	663	6 334	64
按在職員工數目統計 Por escalões de pessoal ao serviço By Number of Persons Engaged							
<10	13 905	5 354	39	4 292	1 062	8 551	61
10 - 49	1 761	1 311	74	1 048	263	450	26
50 - 99	284	273	96	242	31	11	4
≥100	224	220	98	209	11	4	2
按營業總額（澳門元）統計 Por escalões de receitas totais (MOP) By Total Receipts (MOP)							
<500 000	7 846	2 576	33	2 009	567	5 270	67
500 000 - 999 999	3 057	1 115	36	933	182	1 942	64
1 000 000 - 1 999 999	2 062	978	47	746	232	1 084	53
2 000 000 - 4 999 999	1 317	789	60	606	183	528	40
≥5 000 000	1 892	1 700	90	1 497	203	192	10

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- 絕對數值為零 / Valor absoluto igual a zero / Absolute value equals zero

2. 按行業及在職員工數目統計之資訊科技應用情況

Utilização de tecnologia informática, por ramo de actividade económica e escalões de pessoal ao serviço

Usage of Information Technology by Number of Persons Engaged and Industry

行業及 在職員工數目 Ramo de actividade económica e escalões de pessoal ao serviço Industry and Persons Engaged	場所/企業 總數 Total de estab./empresas Total no. of Estab./ Enterprise	有應用資訊科技 Utilização de tecnologia informática Using Information Technology				主要用途 Finalidade principal Major Purpose				
		場所/企業 數目 Nº de estab./empresas No. of Estab./ Enterprise	%	有連接 互聯網 Com ligação à internet With Internet Connection	%	會計 Contabilidade Accounting	銷售 Vendas Sales	庫存 Existência Inventory	資料儲存 Arquivo Archive	其他 Outras Others
		1	2	3	4	5	6	7	8	9
總數 / Total	16 174	7 158	44	5 791	81	20	20	13	31	16
1-4	12 005	4 288	36	3 470	81	17	20	13	34	16
5-9	1 900	1 066	56	822	77	21	21	11	30	17
10-29	1 465	1 038	71	813	78	24	20	13	28	15
30-49	296	273	92	235	86	26	18	15	26	15
50-99	284	273	96	242	89	26	15	13	28	18
≥100	224	220	98	209	95	26	15	16	24	19
工業生產 / Produção industrial / Industrial Production										
小計 / sub-total	1 115	701	63	622	89	24	15	14	25	22
1-4	400	108	27	86	80	16	10	6	34	34
5-9	228	155	68	142	92	20	20	15	24	21
10-29	235	189	80	158	84	25	15	17	25	18
30-49	79	76	96	71	93	26	17	16	23	18
50-99	109	109	100	101	93	28	13	12	26	21
≥100	64	64	100	64	100	26	13	17	21	23
建築業 / Construção / Construction										
小計 / sub-total	1 621	1 037	64	906	87	25	10	10	34	21
1-4	789	382	48	318	83	22	14	10	34	20
5-9	301	210	70	188	90	24	10	9	37	20
10-29	340	264	78	232	88	27	8	8	34	23
30-49	75	69	92	66	96	30	8	10	31	21
50-99	68	64	94	56	88	24	7	11	32	26
≥100	48	48	100	46	96	28	6	15	29	22
旅行社 / Agências de viagem / Travel Agencies										
小計 / sub-total	157	146	93	140	96	31	25	4	33	7
1-4	50	45	90	41	91	31	27	1	33	8
5-9	47	43	91	43	100	30	24	4	35	7
10-29	45	43	96	41	95	32	25	4	32	7
30-49	10	10	100	10	100	29	24	12	29	6
50-99	#	#	100	#	100	29	14	-	29	28
≥100	#	#	100	#	100	38	25	-	37	-
酒店業 / Hotéis e similares / Hotels and Similar Establishments										
小計 / sub-total	82	50	61	46	92	24	22	19	22	13
1-4	20	-	-	-	-	-	-	-	-	-
5-9	12	3	25	1	33	14	29	14	14	29
10-29	9	6	67	5	83	31	25	19	25	0
30-49	6	6	100	6	100	30	25	15	25	5
50-99	3	3	100	2	67	30	20	10	20	20
≥100	32	32	100	32	100	22	22	20	22	14
飲食業 / Restaurantes e similares / Restaurants and Similar Establishments										
小計 / sub-total	1 494	368	25	#	#	20	34	13	23	10
1-4	510	35	7	#	#	11	29	5	51	4
5-9	519	100	19	#	#	19	39	9	18	15
10-29	360	143	40	#	#	18	37	11	20	14
30-49	56	45	80	#	#	23	30	20	24	3
50-99	34	31	91	#	#	25	28	19	26	2
≥100	15	14	93	#	#	32	27	14	22	5

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Usage of Information Technology by Number of Persons Engaged and Industry

行業及 在職員工數目 Ramo de actividade económica e escalões de pessoal ao serviço Industry and Persons Engaged	場所/企業 總數 Total de estab./empresas Total no. of Estab./ Enterprise	有應用資訊科技 Utilização de tecnologia informática Using Information Technology				主要用途 Finalidade principal Major Purpose				
		場所/企業 數目 Nº de estab./empresas No. of Estab./ Enterprise	%	有連接 互聯網 Com ligação à internet With Internet Connection	%	會計 Contabilidade Accounting	銷售 Vendas Sales	庫存 Existência Inventory	資料儲存 Arquivo Archive	其他 Outras Others
		1	2	3	4	5	6	7	8	9
運輸、倉儲及通訊業 / Transportes, armazenagem e comunicações / Transport, Storage and Communications										
小計 / sub-total	404	245	61	212	87	29	16	7	36	12
1-4	232	107	46	88	82	27	15	4	42	12
5-9	67	45	67	40	89	37	12	5	41	5
10-29	70	59	84	52	88	30	19	6	34	11
30-49	10	10	100	9	90	33	21	-	42	4
50-99	9	9	100	9	100	24	15	22	24	15
≥100	16	15	94	14	93	25	17	17	21	20
服務業 / Sector de serviços / Service sector										
小計 / sub-total	1 447	1 091	75	800	73	15	8	2	43	32
1-4	1 106	810	73	568	70	11	7	2	45	35
5-9	172	136	79	119	88	17	8	2	40	33
10-29	98	81	83	58	72	27	11	5	35	22
30-49	23	20	87	15	75	30	8	4	32	26
50-99	23	20	87	18	90	35	8	2	33	22
≥100	25	24	96	22	92	34	10	10	33	13
不動產中介、不動產管理、保安服務及清潔服務 / Agências imobiliárias, administração dos imóveis, actividades de segurança e limpeza industrial / Real Estate Agencies, Real Estate Management, Security Services and Cleaning Services										
小計 / sub-total	1 137	822	72	543	66	15	10	3	46	26
1-4	877	613	70	383	62	9	10	2	49	30
5-9	104	77	74	60	78	16	15	3	47	19
10-29	85	68	80	45	66	29	10	6	37	18
30-49	23	20	87	15	75	30	8	4	32	26
50-99	23	20	87	18	90	36	8	2	33	21
≥100	25	24	96	22	92	34	10	10	33	13
廣告、會議 / 展覽籌辦服務 / Publicidade e organização de conferência/exposição / Advertising and Conference/Exhibition Organizing Services										
小計 / sub-total	310	269	87	257	96	15	3	-	37	45
1-4	229	197	86	185	94	14	3	-	38	45
5-9	68	59	87	59	100	17	1	1	33	48
10-29	13	13	100	13	100	24	12	2	31	31
博彩業 / Jogo / Gaming										
小計 / sub-total	10	10	100	#	#	26	-	23	14	37
≥50	10	10	100	#	#	26	-	23	14	37
批發及零售業 / Comércio por grosso e a retalho / Wholesale and Retail Trade										
小計 / sub-total	9 844	3 510	36	2 847	81	17	25	17	30	11
1-4	8 898	2 801	31	2 357	84	17	25	16	31	11
5-9	554	374	68	246	66	19	28	17	26	10
10-29	308	253	82	176	70	19	28	20	26	7
30-49	37	37	100	27	73	20	27	23	22	8
50-99	35	34	97	32	94	22	27	22	23	6
≥100	12	11	92	9	82	22	28	22	25	3

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