

Commonwealth Telecommunications Organisation

Country Page - Malaysia

ICT Sector Information

Sector	Science, Technology and Innovation
Minister	Datuk Dr. Maximus Ongkili.
Principal Institutions	Ministry of Information, Communication and Culture
Regulator	Malaysian Communications and Multimedia Commission (MCMC)

Mobile Operators

Operator	Technology
Maxis	GSM, GPRS, EDGE, UMTS, HSPA
Celcom	GSM, GPRS, EDGE, UMTS, HSDPA
DiGi	GSM, GPRS, EDGE, UMTS, HSPA
U Mobile (Uses Celcom 2G)	Celcom- GSM, GPRS, EDGE, UMTS, HSPA
P1	WiMAX 802.16e
Yes 4G	WiMAX 802.16e
Redtone	WiMAX 802.16e
Amax	WiMAX 802.16e
TuneTalk (uses <u>Celcom</u>)	
XOX COM (uses <u>Celcom</u>)	
Merchantrade (uses <u>Celcom</u> 2G)	<u>GSM</u> , <u>GPRS</u> , <u>EDGE</u>
Redtone Mobile (uses <u>Celcom</u>)	

CTO Niche Areas

Broadband

National Policy Documents	National Broadband Plan (NBP) by the Ministry of Energy, Water and Communication and the Malaysian Communications and Multimedia Commission
Agency	Telecom Malaysia (TM) - The Malaysian NBN is 70 percent controlled by the country's incumbent telco Telekom Malaysia, with the remaining 30 percent

	<p>stake owned by government</p> <p>Broadband Stakeholder Groups (BSGs)</p> <p>Ministry of Energy, Water and Communication;</p> <p>Malaysian Communications and Multimedia Commission;</p> <p>An autonomous steering committee was established to manage the plan and task forces set up for fact finding in areas of policy and regulation, technical applications and industry</p>
Projects	The NBP Programme - High Speed Broadband (HSBB) Project
Publications	ITU - Malaysia's broadband plan – stimulating the private sector

Broadband Indicators¹

Indicators	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Mobile broadband subscriptions per 100 inhabitants	0.00	0.00	0.00	0.00	0.00	0.55	0.86	5.86	16.16	26.75			
Fixed Broadband Subscriptions per 100 inhabitants	0.00	0.02	0.08	0.44	0.99	1.85	2.82	3.79	4.79	5.52	6.46	7.41	8.39

Cybersecurity & Cybercrime

Policy	The National Cybersecurity Policy Malaysia
Agency	Cybersecurity Malaysia
Related Publications	Malaysia's National Cyber Security Policy: Towards an Integrated Approach for Cybersecurity and Critical Information Infrastructure Protection (CIIP) Cybersecurity Malaysia

¹ ITU statistics

E-Education Skill Development and Entrepreneurship

Policy Documents	ICT Literacy for Secondary School Guidelines, 2007 Vision 2020 ICT Master Plan ICT Development Plan Malaysia ICT Development Plan
Agency	Ministry of Education
Indicators - Internet access in schools, Out of a 1–7 (best) scale	5.1
Projects	Smart School Pilot Project SchoolNET Computer Laboratories WebTV School Access Centres
Publications	Integrating ICT in Teaching and Learning – Country Report - Malaysia
Other Resources	Cybersecurity Forum

ICT For Disabilities

Policy Documents	Malaysian Disability Act 2008 – it is mandatory for the government and providers of information and communication technology to make their systems accessible to the disabled without any additional costs.
Agency	Ministry of Welfare, Women and Family Development
Projects	The Malaysia Ministry of Education’s Special Education Program

Regulatory Environments including convergence and digital broadcasting switchover

Policy Documents	Malaysian Communications and Multimedia Commission Act 1998 (Act 589) Communications and Multimedia Act 1998 (Act 588) Digital Signature Act 1997 (Act 562) Postal Services Act 1991 (Reprint 2001) Act 465
Agency	The Malaysian Communications and Multimedia Commission (MCMC)
Projects	The NBP Programme - High Speed Broadband (HSBB) Project
Publications	Telecommunications reforms in Malaysia - Centre on Regulation and Competition -WORKING PAPER SERIES

Youth and ICTs

Policy Documents	10 th Malaysian Plan – Chapters 3 & 5; Chapter 14: Empowering Youths for the Future –The 9 th Malaysian Plan. National Youth Development Policy of Malaysia
Agency	Ministry of Sports and Youth
Projects	SchoolNEt Computer Laboratories WebTV School Access Centres
Publications	Malaysian Youth Report e-Activities for At Risk Youths in Malaysia

ICT Sector Indicators

Indicators on ICT infrastructure and access - ²

Indicators	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Fixed telephone subscriptions	4,628,000	4,709,564	4,669,903	4,571,561	4,446,265	4,365,647	4,342,100	4,350,000	4,514,000	4,524,000	4,609,800	4,522,900	4,588,900
Fixed telephone subscriptions per 100 inhabitants	19.77	19.65	19.05	18.24	17.37	16.73	16.33	16.08	16.41	16.19	16.23	15.67	15.65
Mobile cellular telephone subscriptions	5,121,748	7,385,000	9,053,000	11,100,000	14,611,000	19,545,000	19,463,722	23,347,000	27,713,000	30,144,000	33,858,700	36,661,300	41,324,700
Mobile cellular telephone subscriptions per 100 inhabitants	21.87	30.82	36.93	44.39	57.10	74.88	73.21	86.31	100.77	107.85	119.22	127.04	140.94
Estimated Internet Users per 100 inhabitants	21.38	26.70	32.34	34.97	42.25	48.63	51.64	55.70	55.80	55.90	56.30	61.00	65.80

World Economic Forum ICT Readiness Indicators³

Laws relating to ICT, out of a 1–7 (best) scale	5.2
Mobile Network Coverage, % pop. covered	96.2
Broadband Internet	7.4

² ITU statistics

³ These indicators are derived from the World Economic Forum's Executive Opinion Survey. http://www3.weforum.org/docs/WEF_GITR_Report_2013.pdf

subscriptions/100 pop	
Mobile broadband subscriptions/100 pop.	12.3
Households with personal computers, %	64.1
Use of virtual social networks, out of a 1–7 (best) scale	6.0
Impact of ICT on new services and products, out of a 1–7 (best) scale	5.5
Impact of ICT on new organisational models, out of a 1–7 (best) scale	5.3
Gov't Success in ICT Promotion, out of a 1–7 (best) scale	5.5
Importance of ICT to gov't vision, out of a 1–7 (best) scale	5.4
ICT use & gov't efficiency, out of a 1–7 (best) scale	5.6
Gov't Online Service Index, out of a 0-1 (best) scale	0.79
E-Participation Index, out of a 0-1 (best) scale	0.50

ICT Publications from Other International Organisations

Source Organisation	Title of Publication
ITU	<u>Multimedia Malaysia – Internet Case Study</u>
World Economic Forum	<u>The Global Information Technology Report 2013</u>