

Facts & Figures of Campus Network

	2003/2004	2004/2005	2005/2006	2006/2007
External Connections Bandwidth				
HARNET	300 Mbps	300 Mbps	300 Mbps	300 Mbps
HKIX	1 Gbps (shared)	500 Mbps (shared)	500 Mbps (shared)	500 Mbps (shared)
US	155 Mbps (shared)	380 Mbps (shared)	380 Mbps (shared)	480 Mbps (shared)
CERNET	155 Mbps (shared)	155 Mbps (shared)	155 Mbps (shared)	155 Mbps (shared)
TANET	45 Mbps (shared)	45 Mbps (shared)	45 Mbps (shared)	45 Mbps (shared)
Internet2	45 Mbps (shared)	45 Mbps (shared)	45 Mbps (shared)	45 Mbps (shared)
Figures				
No. of Department LANs	62	62	64	65
No. of Student LANs	40	41	40	40
No. of Routers	40	43	43	43
No. of Switches	280	292	400	402
Length of Optical Fiber Cable	46 km	46 km	47 km	47 km
Length of Copper Cable	623 km	639 km	763 km	840km
No. of computer points in main campus	5877	6097	7200	8523
No. of computer points in Student Residence	3035	3035	3528	3528
No. of Core/Distribution/Access Layer Gigabit links	221	223	223	229
Operational Statistics				
No. of computer points added/relocated	199	740	1936	1323
No. of Work Requests Handled	463	306	352	423
No. of Network Applications From Student Residence	-	-	11500	12974
No. of Network Blockages Due to Policy Violations	975	913	595	566
Average email virus/worm blocked by IDS (daily)	7776	12817	18784	22852
Average no. of active IP addresses (daily)	10718	12512	13842	13826
Average no. of active IP addresses at night (daily)	3800	3900	3177	3588
No. of minor network incidents	27	25	13	14
No. of major network incidents	5	3	2	2
Core Layer switch availability	99.98%	99.98%	99.98%	99.98%
Distribution Layer switch availability	99.98%	99.98%	99.98%	99.98%
Access Layer switch availability	99.98%	99.98%	99.98%	99.98%
Peak link utilization between Core & Distribution Layer	140 Mbps	120 Mbps	110 Mbps	124 Mbps
Peak link utilization between Distribution & Access Layer	660 Mbps	511 Mbps	109 Mbps	140 Mbps
Peak utilization to Internet	80 Mbps	100 Mbps	115 Mbps	117 Mbps