Internet in Chinese Taipei

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Nov. 19, 1998



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Overview of NII

- National Information Infrastructure (NII) project in Chinese Taipei was initiated in July 1994
- NII promotional organization in Chinese Taipei --- NII steering Committee of Executive Yuan
- The NII project aims to increase overall competitiveness
- Activities in the past
- Implemented NII Broadband experimental Network
- Broadband trial services, such as Distance Learning,
 Distance Medicine, Multi-point Videoconference
- Participated in Internet Expo '96



Internet Services in Chinese Taipei (1/6)

■ The NII Task Force promotes the pervasive use of Internet by reaching 3 million Internet users in 3 years from 1997.

The Major Tasks are as follows:

- Expedite the network construction in time to support the requirements
- Expand TANet service to the middle and primary schools
- O Promote Internet-based electronic commerce and electronic payment to elevate business efficiency.
- Internet-based Social and Healthcare Services

Internet Services in Chinese Taipei (2/6)

- The NII Task Force promotes the Applications of InformationTechnology:
- Encourage network content applications and its development
- Develop electronic and network government
- Promote Internet commerce
- O Develop electronic network libraries
- Create digitized culture wealth
- Utilize Internet for better medical care and social welfare
- Serve people of the handicapped and the underprivileged, and of remote residence



Internet Services in Chinese Taipei (3/6)

- Total number of ISP is 62
- By the end of October '98 the number of Domain/Host /Server in Chinese Taipei are as follows:

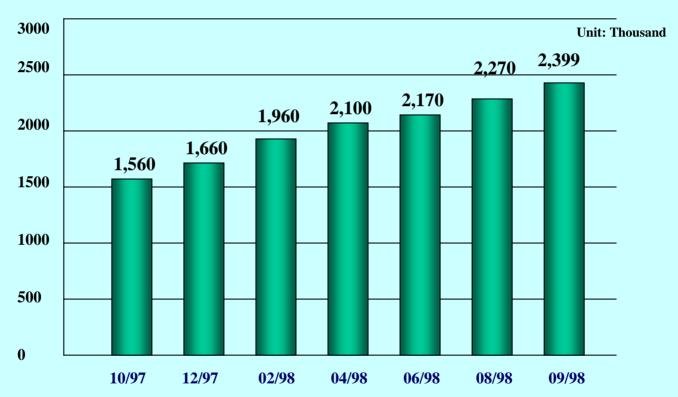
	COM	EDU	GOV	NET	ORG	TOTAL
Domain	26822	1038	450	617	1583	30510
Host	32300	161833	7245	306979	15422	523779
	www	BBS	Gopher	FTP	News	Total
Server	12965	841	566	3601	593	18566

Source:Institute for Information Industry(III)



Internet Services in Chinese Taipei (4/6)





By the end of September '98, the number of commercial Internet users is around 1620000

source: III





Internet Services in Chinese Taipei (5/6)



The growth of Chinese Taipei Internet Users

Unit:Thousand f: data forecast for the end of the year

	1996	1997	1998(f)	1999(f)	2000(f)
Corporate	230	700	1090	1280	1590
Academy & Personal	370	960	1420	2080	2570
Total	600	1660	2510	3360	4160
Growth(%)	-	177%	51%	34%	29%

source: III



Internet Services in Chinese Taipei (6/6)

- The Top 3 ISPs in Chinese Taipei : HiNet, TANet, SEEDNet
- TANet:
 - connected to BITNET in 1987
 - o connected to Internet in 1992
 - ofree charge service for academy and R&D organizations
- SEEDNet:
 - O connected to TANet in 1988; free charge for R&D organizations
 - ocommercial service since July 1995

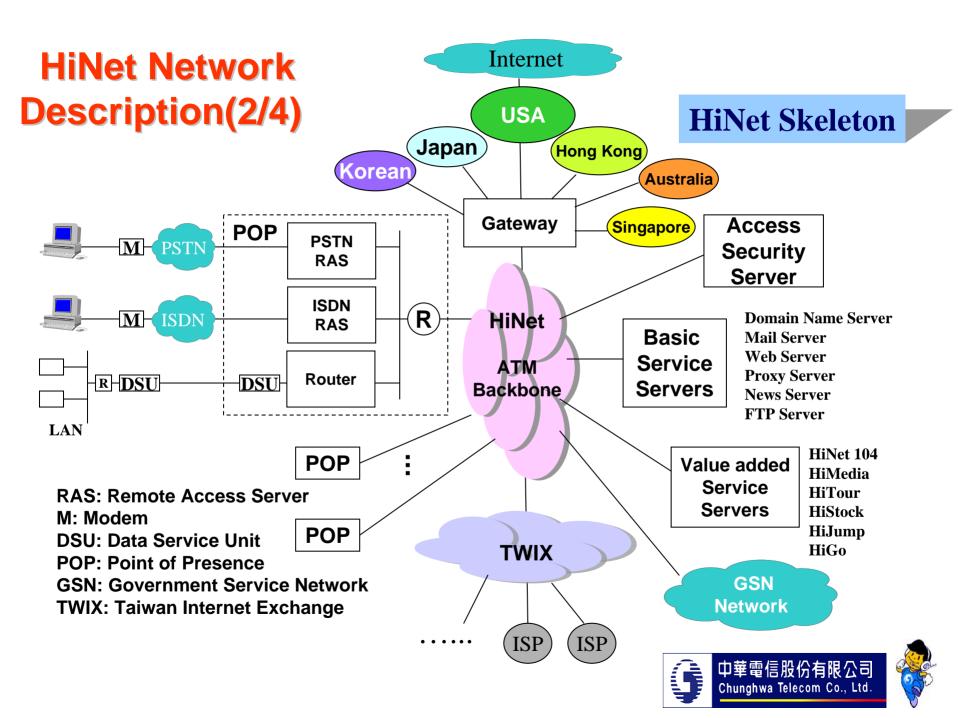


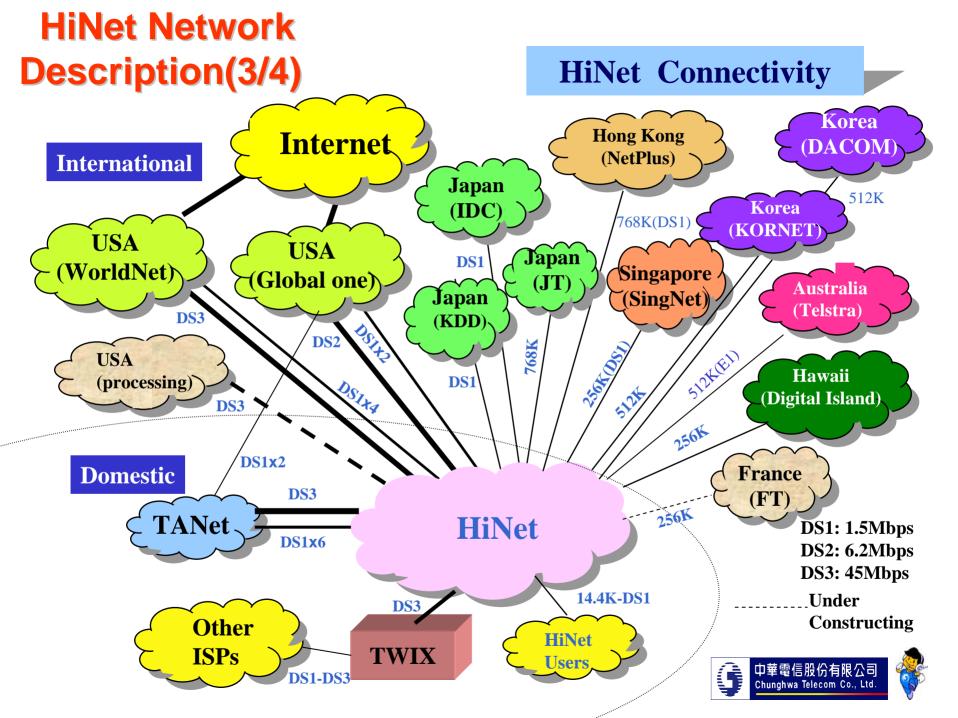
HiNet Network Description(1/4)



- Field trial from March 1994 to March 1995
- Commercial service since April 1995
- First & Biggest commercial ISP in Chinese Taipei
- 50% of Taiwan Internet commercial market share
- Operates the Taiwan Internet Exchange (TWIX) since Dec. 1997







HiNet Network Description(4/4)

Network Strategy

Backbone

ATM network; Provide DS3, STM-1 or STM-4 Links

User Access

PSTN: Up to 56Kbps (ITU-T V.90)

ISDN: 64Kbps / 128Kbps

Leased Line: 14.4Kbps ~DS1(1.544Mbps)

International Connectivity DS3 x N/STM-1 to USA;
Direct connection to Japan, Hong Kong,
Singapore, Australia and Europe (near
future)

HiNet Services (1/2)

- **■** Basic services: E-mail, DNS, WWW, Telnet, FTP, Netnews
- **Roaming**
- HiGo: Advertise, Catalog
- **➡** HiJump: Web-Hosting, Home page
- **➡** HiAir: Web to Pager/Mobile
 - E-mail to Pager /Mobile
 - **Socket to Pager/Mobile**
- **□** HiStock: Real-time stock exchange information system



HiNet Services (2/2)

- HiTour: Tourist information system
- HiMedia: Real-time video player service
- **➡** HiNet104: Yellow pages / White pages
- HiNet112: Telephone troubleshooting service
- HiNetFax: Internet Facsimile
- **□** Train ticket Reservation service
- **□** GCA: Goverment Certificate Authority



Future Plans

- QoS & Bandwidth Network
- ADSL access service
- Direc PC service
- Intranet
- Virtual mail
- Commercial Certificate Authority
- Electronic Commerce
- Internet Telephony
- Others







