

The Internet xEngine.

# Feel6

**-Japan's most flexible IPv6 Solution!-**

FreeBit Co., Ltd.

# Usage of Japanese Network has been dramatically changed!

## Rapid growth of two Factors

Broad Band

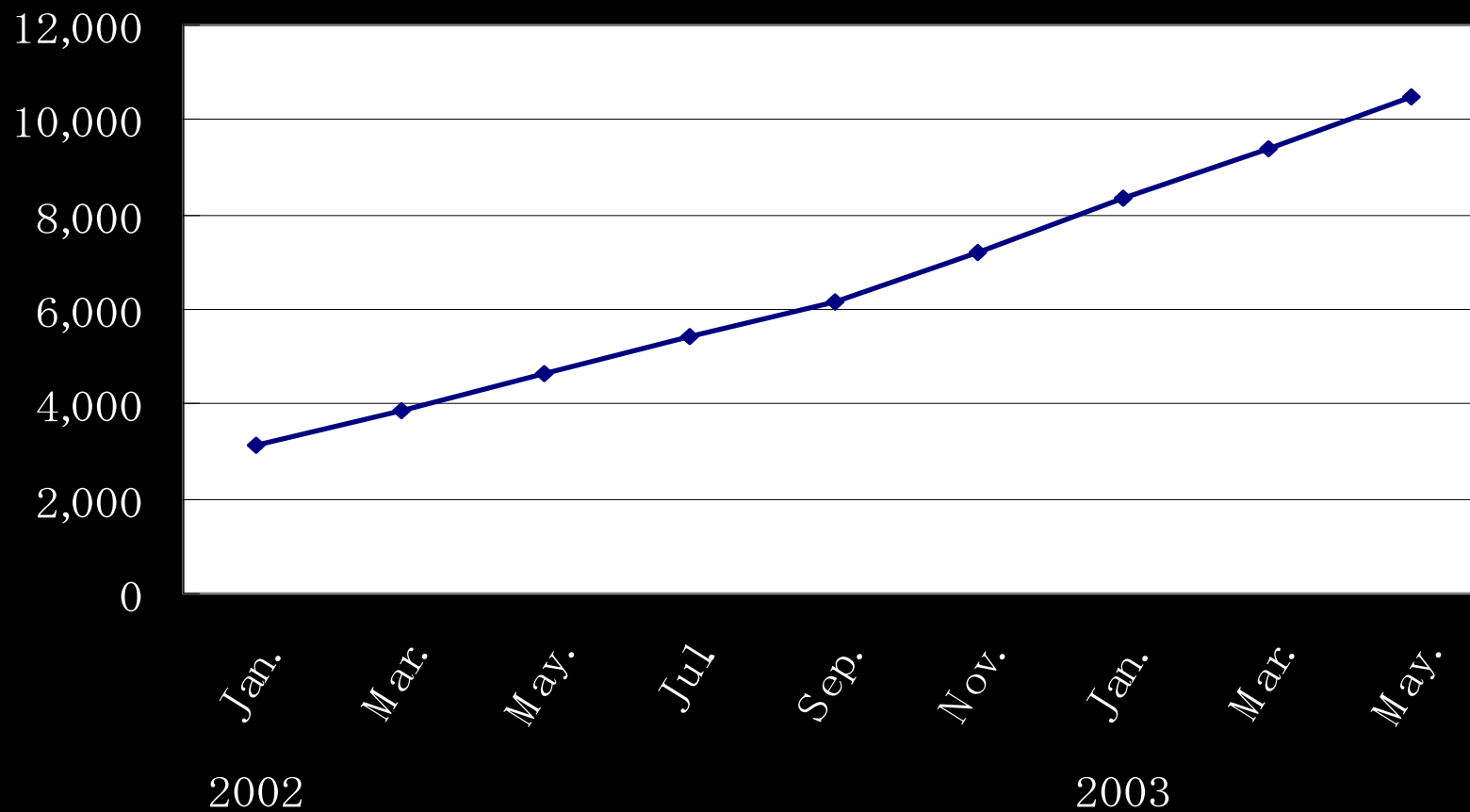
New form of IP needs

(Ex. IP Phone / CE Devices)

# Getting ready for an “always connected” environment for home electronic devices.

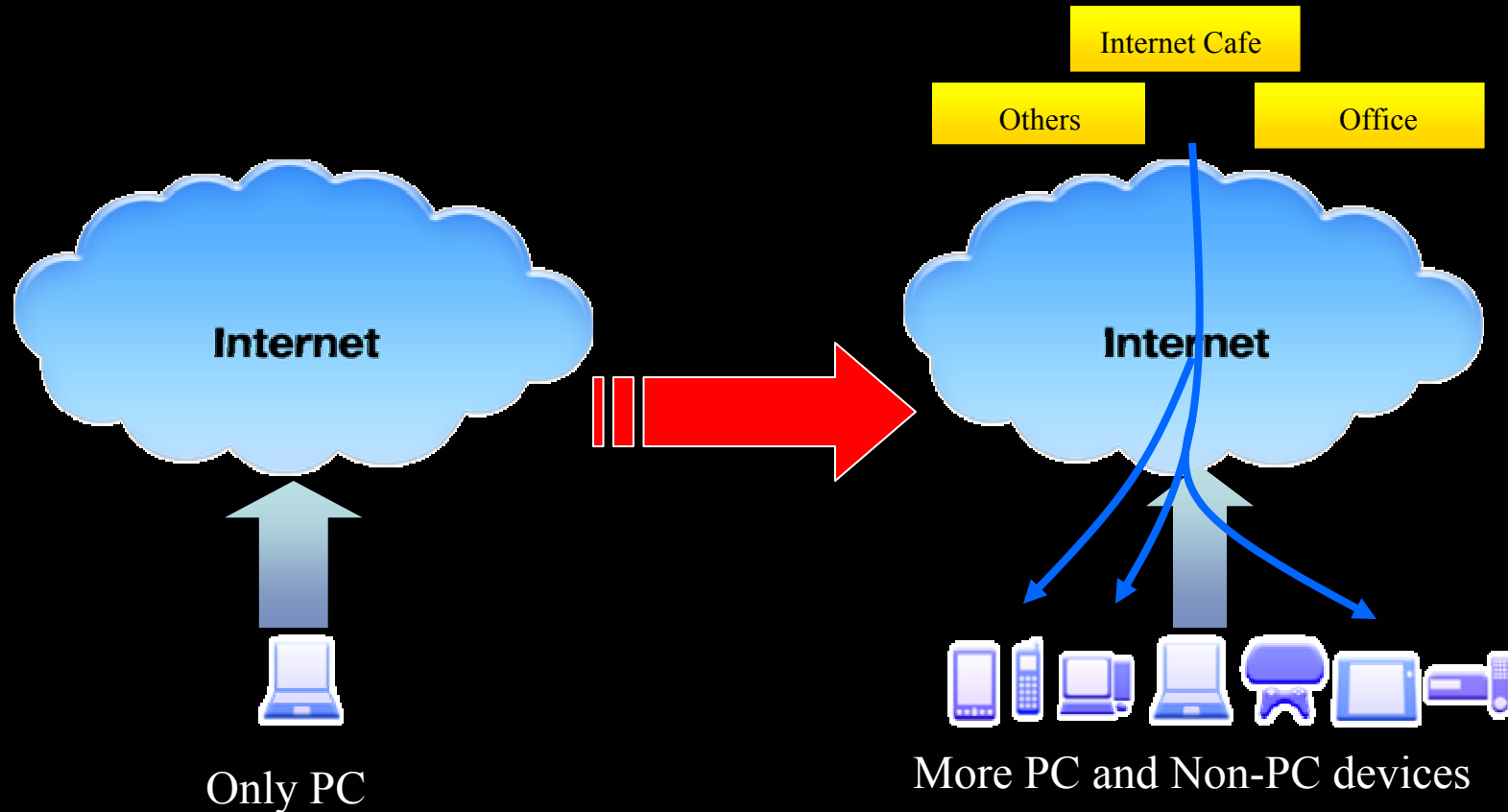
Broadband subscribers

Unit 1000



Source: The Ministry of Public Management, Home Affairs, Posts and Telecommunications

# Access from Internet to home networks



**Example**

**IP Phone**

# VoiceOver IP.

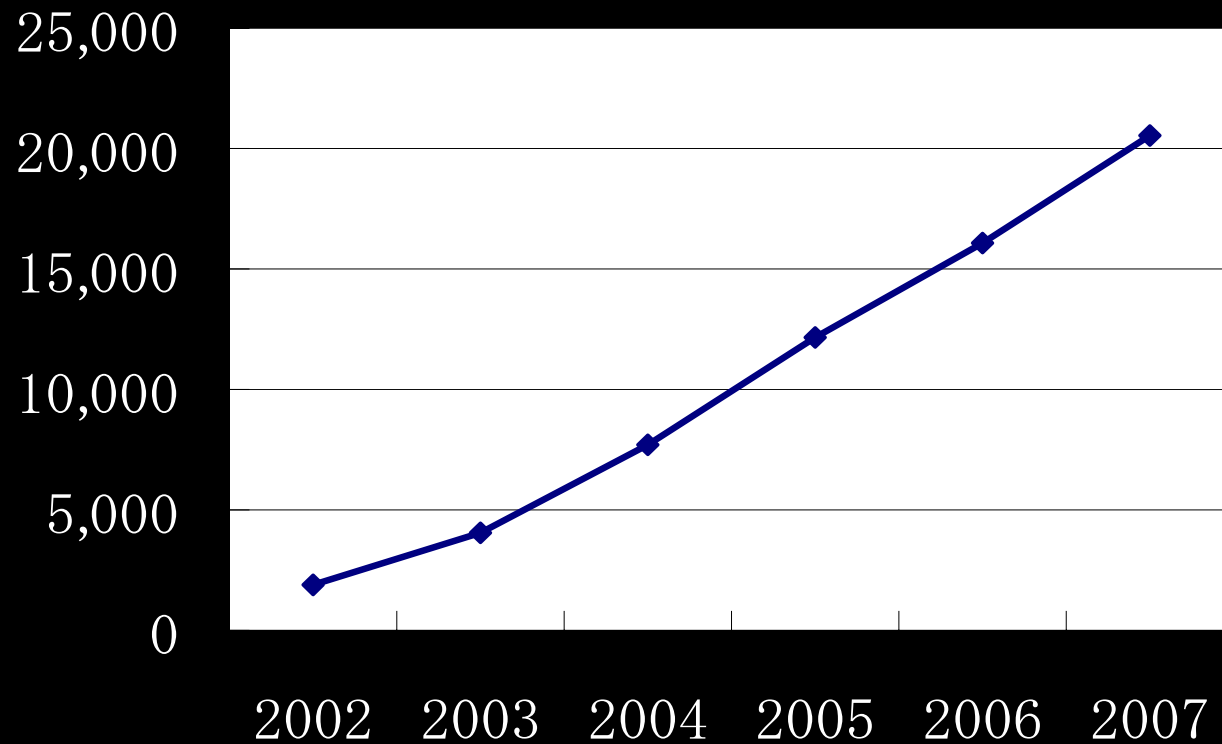


**Almost all new ADSL modems in Japan are now supporting built in VoIP function.**

# IP phones (requiring global IP) are spreading rapidly

IP Phone user forecast

Unit: 1000



Source: EC RESEARCH CORP.

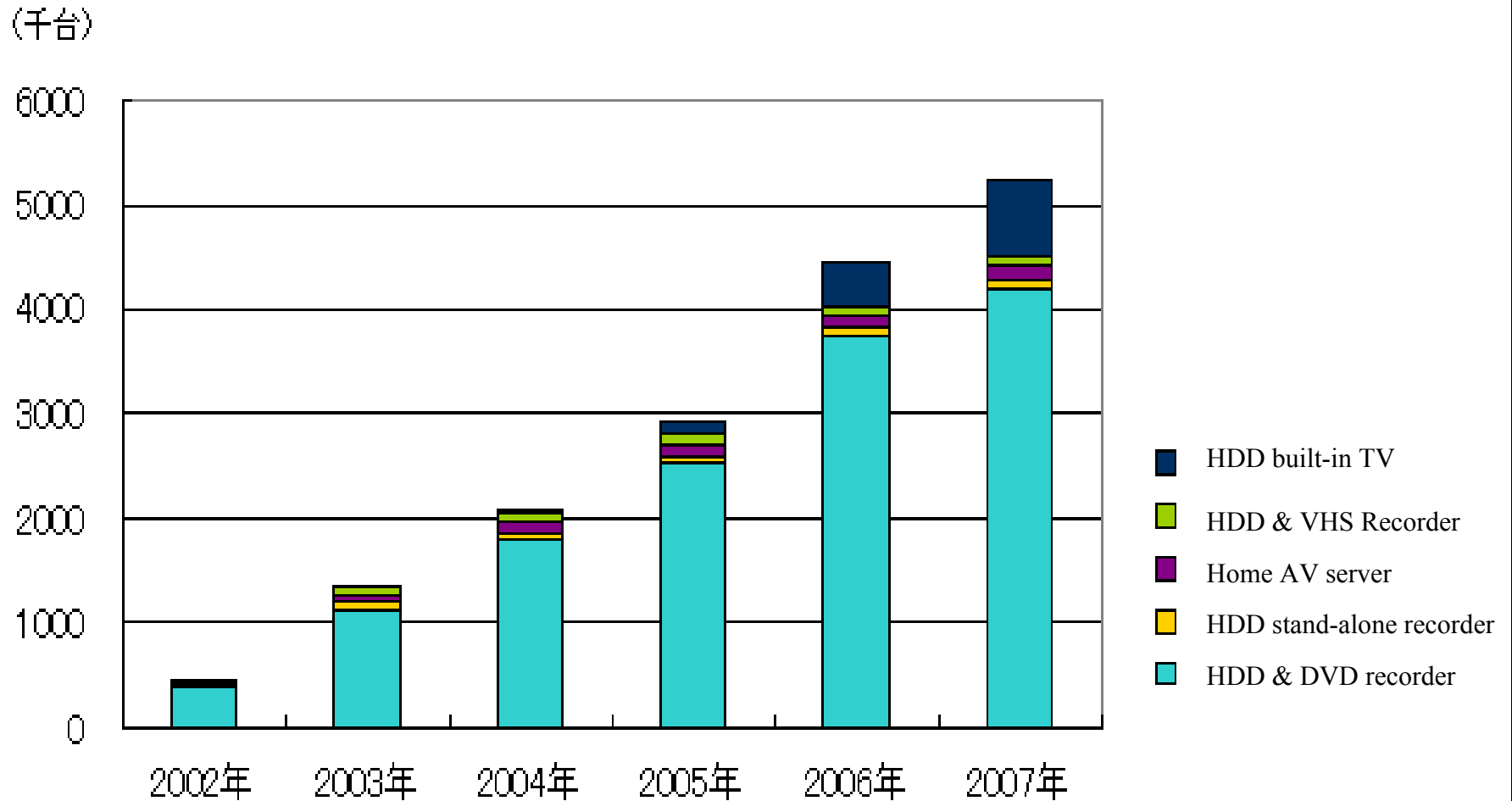


# **Consumer Electronic Devices**

Major HD recorder in Japan  
(SONY, Pioneer, Matsushita Panasonic, Toshiba...)  
include mobile phone remote control function  
for device activations.

Hence CE devices become needing for Global IP

# HD recorder in Japan is spreading rapidly

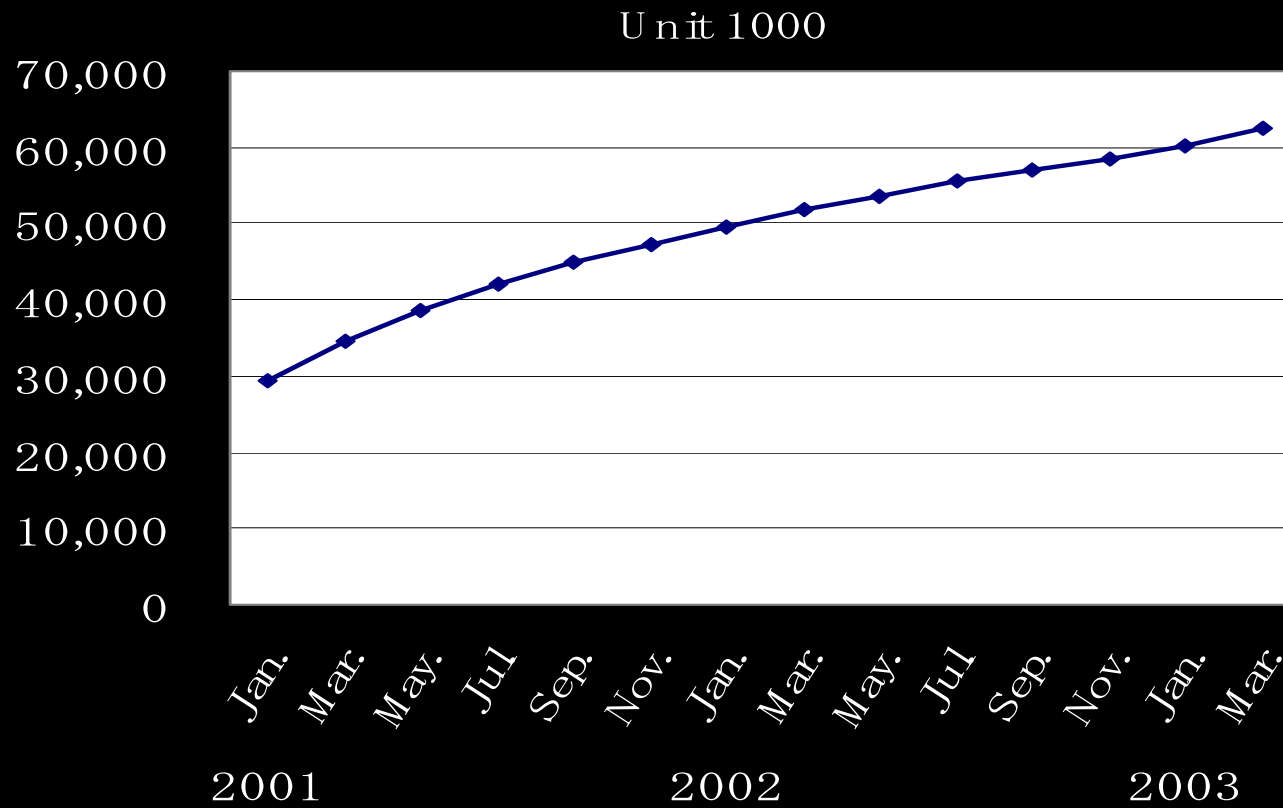


Source: IDC Japan, 2003

**Mobile phones become remote control units**

In Japan, Internet enabled phones are common, hence CE devices supporting mobile phone remote control are expect to spread rapidly.

Mobile Internet subscribers



Source: The Ministry of Public Management, Home Affairs, Posts and Telecommunications

To supply IP phones, CE devices, and other kinds of devices with Global IP:

Existing IPv4 addresses will not be enough

**IPv6 is a MUST!**

## From our advanced position in Internet market

- 1) Supporting Japan's Internet infrastructure as No.1 ISP's ISP providing more than 150 ISPs
- 2) Having long time experience Non-PC devices, such as home electric device through the consulting home electronic companies



Our solution which adjusts to this diversity of multiple devices for Internet connection is



TM

**-Japan's most flexible IPv6 Solution!-**



**What is Feel6?**

**Feel6 is to satisfy the evolved Japanese market demand.**

**Extremely practical solution that everyone can use IPv6 from today.**

**What is Feel6 Technology?**

# **Feel6 Technology**

**consists of 5 core existing standard technologies.**

**DTCP**

**IPv6 over v4 tunneling**

**64bit implementation**

**DataBase**

**Filtering**

**Combining these 5 technologies to take users to ...**

**Feel the world with “6”**



## Feel6 Technology solves

- 1) Upgrading from IPv4 network to IPv6 with minimal investment
- 2) Scarcity of IP address
- 3) Security issues
- 4) Hurdle for users to switch to IPv6



Because of two innovative technology!



Internet IPv6 Gateway



Home IPv6 Gateway

# **4Feel16** Network Structure





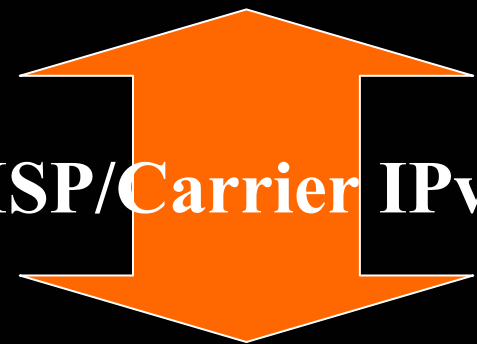
Internet



FEED 6 Server

IPv6 N/W

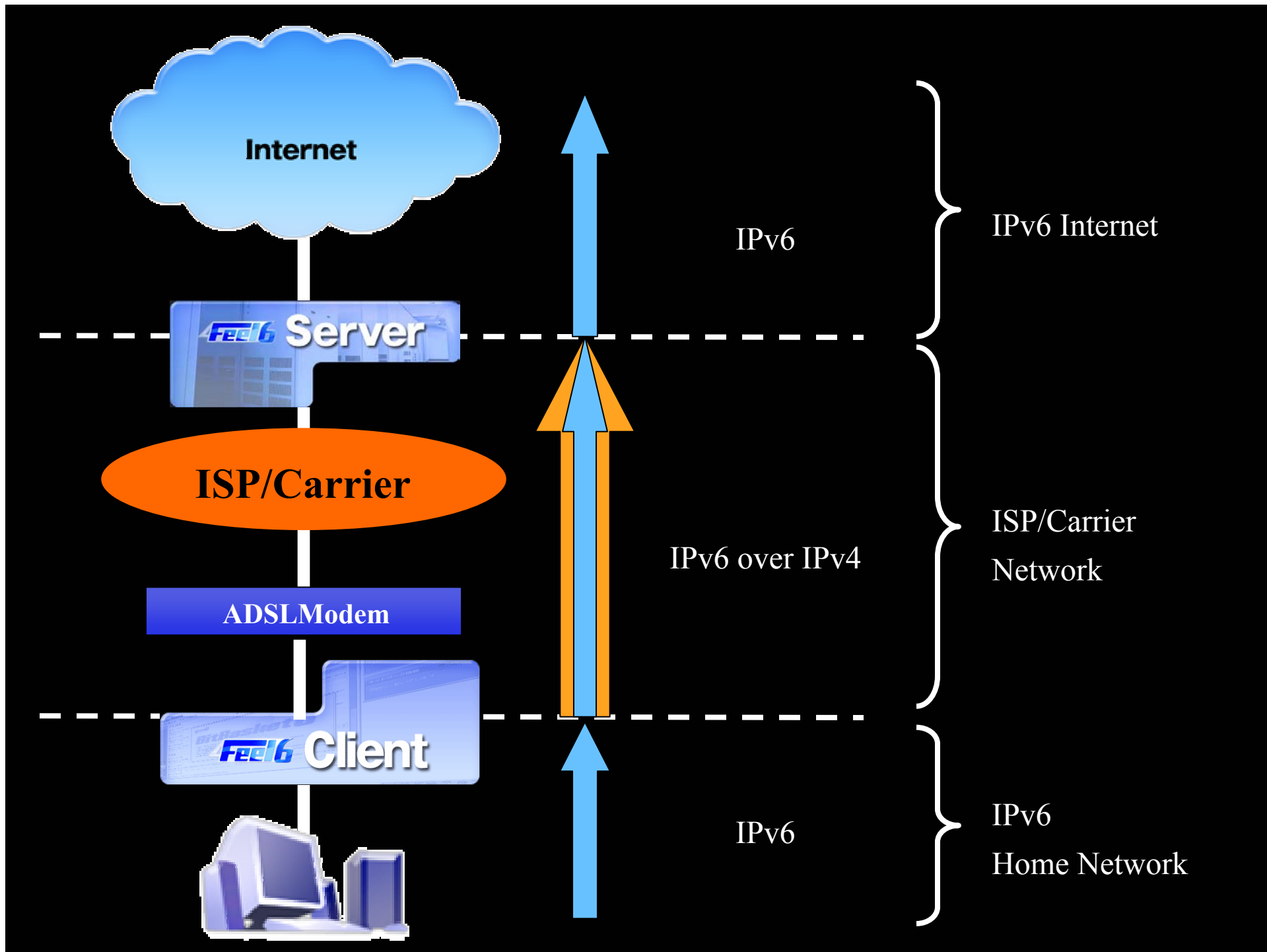
ISP/Carrier IPv4 N/W



FEED 6 Client



Home Network



**Feel6 technology is more than a concept .  
FB already have “actual” Feel6 technology embedded devices.**



**HITACHI GR-2000 Series**



**YAMAHA RTA-55i**

# User's 2 way selections.



**[Stand alone connection]**  
**BitBasket6 for Win/MacOSx**



**[Home N/W connection]**  
**YAMAHA RTA-55i**

# From Test to Feel

IP v 6 's services

# Remote Access (PC to PC)

Accessing into an IPv6 connected PC with Web browser

for Lp 9 down hard disk access + mail access.



# Remote Access (PC/Mobile to CE)

Collaborating with SONY for “CoCoon” remote access test-bed.

- Recording
- Record confirmation
- Remote control



# Remote Access (Mobile to PC)

Accessing into an IPv6 connected PC with Mobile phones  
For PC mirroring control

-Sending mail

-Receiving mail

-Address book access



To Make  technology more practical.

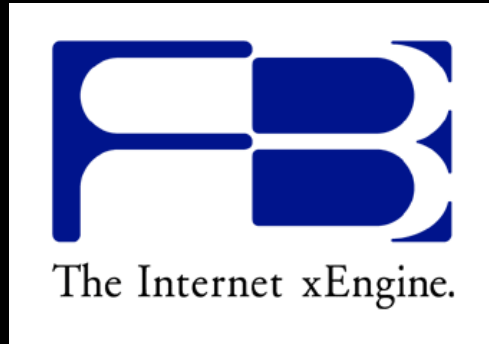
**Extensive Test-bed of**





**(From March/5/2003)**

## Organizer-Executor



## Supporter



# More than 50 ISPs have joined !



Internet Initiative Japan

IIJ



Internet Service Provider & Community

株式会社朝日ネット



OCN



GMO



DreamNet



Panasonic hi-ho



plala



ライブドア



ReSET.JP

ReSET.JP



IIJ4U



IIJmio



ims.jp



アルファ総合研究所株式会社



株式会社アットエム



UrbanInternet



APION



EHE株式会社



E-JAN



e-net



ejnet



117.net



いわみインターネット



INTERNET KOCHI



web静岡



aaanet



Mnet



エフテック



カゴヤインターネット



CLIO-NET



KCS-Sunshine



CYBERSTATION



San-inNet



株式会社サンオーコミュニケーションズ



サンフィールド



四国インターネット



JET Internet



生協インターネット  
NRIネットコム



長岡インターネット



7-dj.com



NetAge



ノムラ貿易株式会社



はまっこ



BIG-NET



ホッカイネット



**Major Device vendors have also joined !**

**SONY**

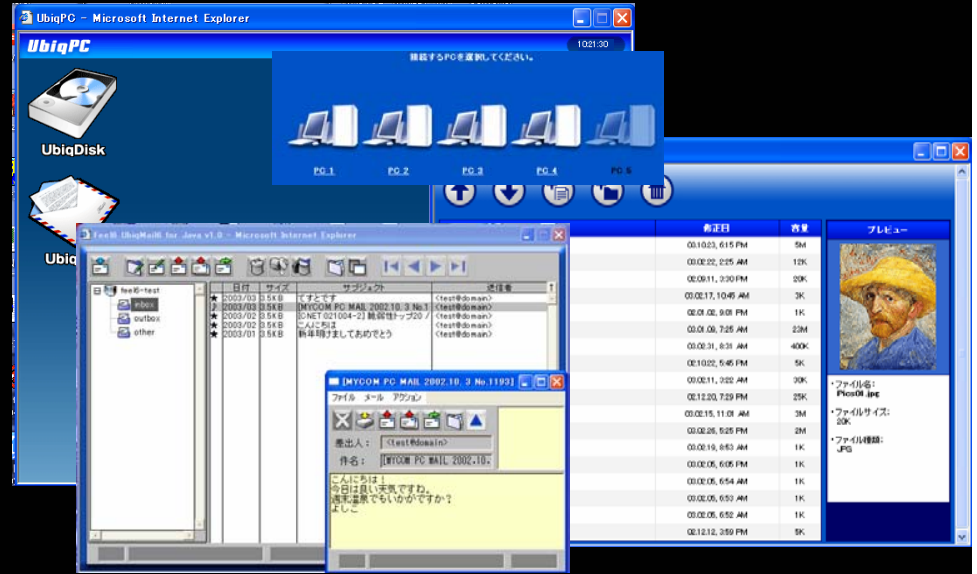
**YAMAHA**

**HITACHI**

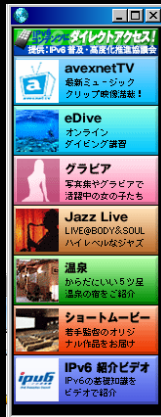
# User can Feel the world with “6”



Push Mail & Contents

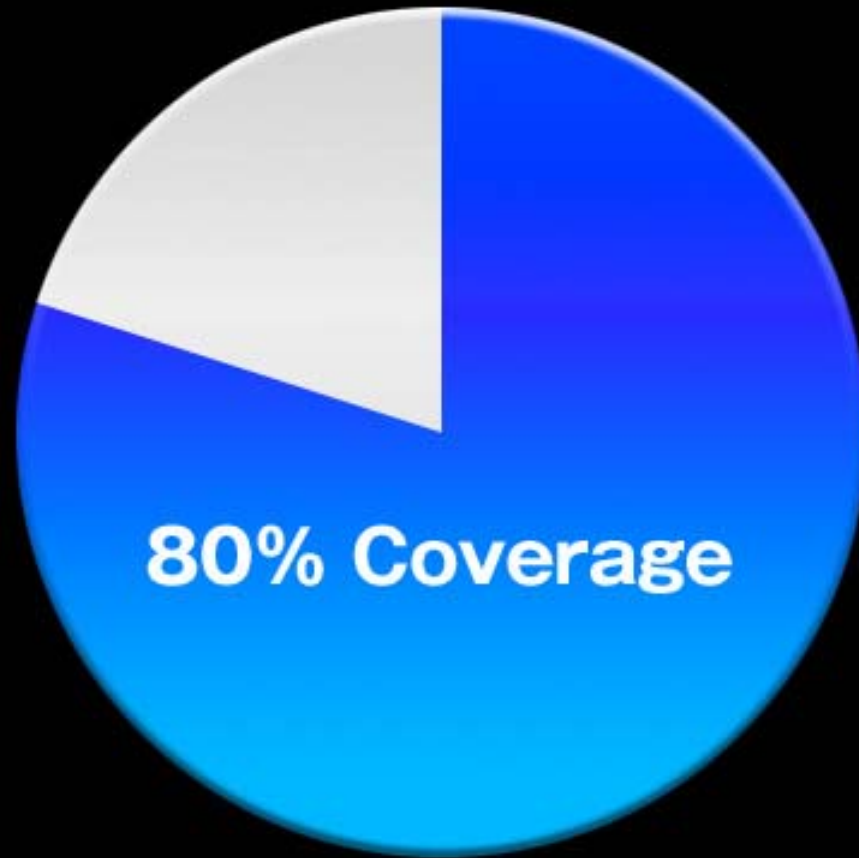


Remote Access to PC from anywhere



BroadBand Contents

**Feel6 Farm will cover over 80% Internet Users in Japan  
by end of this month.**





**Japan ISPs are already prepared for “6”.**

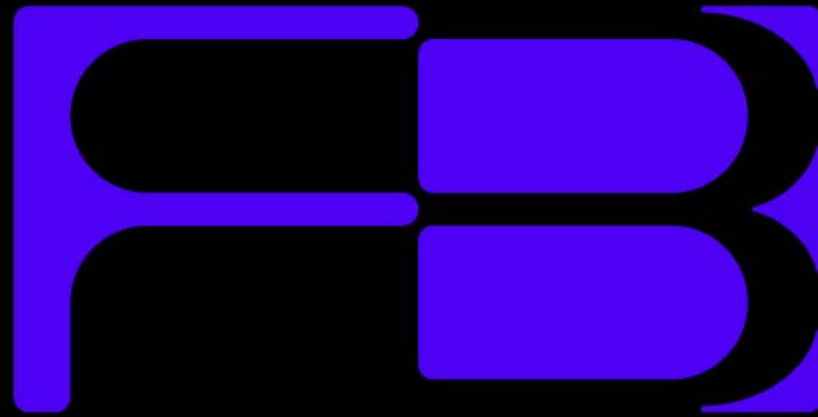
# **FB will further enhance the world with “6”.**

- Mail + Feel6
- VoIP + Feel6

# Invitation

Drop us your business card!

**Thank you for your attention !**



The Internet xEngine.

<http://www.freebit.com/>

[interbiz@freebit.net](mailto:interbiz@freebit.net)