Moving to the Next Stage of "Everything on the Internet"

Broadband Internet: Making Infrastructure for Next-generation Internet a Reality

A new era is near at hand, when people can make use of the Internet, anytime and anywhere, to easily access video, music and many other types of data over the network. As a market leader in the market for broadband technology, Fujitsu is aggressively moving ahead to provide products and software with the high-capacity, high-speed data transmission and processing that will make this next-generation Internet a reality.

- With regard to the core networks linking cities and countries over long distances, we are continuing to enhance our high capacity optical transmission technology, as exemplified by our introduction of the world's highest-capacity commercial DWDM^{*1} system in the North American market in October of this year.
- In access networks, which link corporations, homes, and mobile communications device users with core networks, we are actively engaged in developing ADSL^{*2} and cable television for fixed communications networks and IMT 2000^{*3}-compatible third generation mobile communications networks, to provide high-quality Internet use environments for individuals, regions and nations.
- Regarding our end-user products, including personal computers and mobile information terminals, we are aggressively working to provide products with more useful Internet-based functionality.
- As for information processing systems that provide the backbone for e-business, we plan to further enhance our high-performance Unix servers and large-capacity file systems.
- In XML, which has already attracted attention as the next-generation computer language providing smoother data transfer over the Internet, we intend to devote even greater efforts to fostering technical expertise in this area and working toward standardization.
 - *1 Technology that makes it possible to dramatically increase the volume of information transmitted over fiber optic cables by transmitting multiple optical signals over a single fiber at different wavelengths.
 - *2 The format that allows high-speed digital signals to be sent over copper telephone lines. High-speed access is made possible in this format on existing telephone lines, without the necessity of laying fiber optic cables.
 - *3 An international standard for third generation of mobile telephony systems to make possible high-speed, high quality mobile communication.

Picture on page 3 in the Japanese version

Upper left. World's largest capacity (1.76 terabits per second) commercial DWDM transmission system.

- Upper right:
 Our recently introduced FMV BIBLO LOOX personal computer features high-speed wireless communication capability, enabling Internet use without connection to a cellular telephone or communication card.

 Lower left:
 Field trials of our IMT 2000 (3G) base stations finished in the United Kingdom.
- Lower reft: Field trials of our 1M1 2000 (3G) base stations finished in the United Kingdom. Lower right: Our high-performance PRIMEPOWER Unix server capitalizes on the high speed and performance as well as
 - the high degree of reliability that have been the hallmarks our supercomputers and mainframes.

- In the System LSI (System on Chip) field, we are concentrating still more on such high-growth areas as digital AV devices. Moreover, in order to strengthen our R&D capability and make R&D efforts more efficient, we have consolidated our technology development operations at our Akiruno Technology Center.
- We will continue to push the expansion of flash memory production in response to increasing demand and application in digital household appliances and other areas beyond cellular phones.
- We will continue our development efforts in the area of compound semiconductors, which are key devices for optical transmission and mobile communication systems supporting the Internet.

Picture on page 4 in the Japanese version
 Left: FR 500 processor for system LSI core.
 Right: Akiruno Technology Center opened in July.

■ New Relationships with Customers

We are dedicated to building partnership relations with customers by providing then with platforms embodying cutting-edge technology and Internet-based solutions that add significant value to their business, as well as by directly cooperating with them in the creation of new business.

- Today, online shopping and trading by individuals is expanding, and the Internet is indispensable for services companies offer to consumers and for transactions among companies. Utilizing our proven ability to construct complex systems, we are helping our customers rebuild their IT infrastructure to focus on the Internet. In addition, we are strongly assisting our customers with new business creation, as well as directly cooperating with them in new business ventures making use of @nifty, Japan's largest ISP.
- We intend to further expand our new outsourcing services utilizing the Internet, such as our ASP^{*1} business and Internet Data Centers^{*2}.
- We are strengthening the global organization linking Fujitsu in Japan with Fujitsu Group members like ICL and DMR in Europe and North America, respectively, to better support our customers' business development around the world.
- *1 We are emphasizing the expansion of ASP, new type of outsourcing activity whereby application software functions are provided over the network and the provider receives fees from users corresponding to the amount of use.
- *2 Our Internet Data Center Service provides just what each customer needs for running his particular Internet business - from equipment such as servers to network environment and security capabilities, and server operation and administration services.

Picture on page 4 in the Japanese version

Akashi System Center: Fujitsu's Internet Data Centers in Tatebayashi and Akashi, are among Japan's largest.