

Aiming to Become a Company That Contributes to the Advancement of IT Technology



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The Internet is progressing rapidly with technical advances and declining costs. E-mail and home pages began to spread about five or six years ago and introduced quickly into companies only in a few years. In a number of firms, each and every member has his or her E-mail address. E-mail has come to be used frequently in everyday business. These technologies are still in their growth stage and are projected to undergo major changes in the few years to come.

E-mail today still has some inconveniences, such as the need of keyboard operation and the difficulty in conveying different shades of meaning for the amount of time required for key-in operation. A few years later, therefore, we will probably see some changes, such as the birth of e-mail like what is called the video letter, where "the face of the speaker appears in video and speaks," home pages for merchandise sales and related operations where the visitor can move the image of each product freely in vertical and horizontal directions, decide which items he or she wants to buy, and make purchases by electronic payment. People may also be able to see films by downloading video information to their terminals at home from the Internet, without renting videotapes. Yet another possibility is that people may be able to watch already-broadcast news programs any time they want. At the same time, interactivity with broadcast will progress. Naturally, user-friendly terminals will be born, which will allow people who did not like keyboards to use the computers easily.

The specific elements of these technologies have basically become available, except for some of them. The key is whether a mechanism for fast communicating data and information in quantities beyond comparison with e-mail, home pages and other tools today can be provided at affordable costs. And these are becoming possible thanks to the eye-catching advances in IT technology these days.

The transmission speed per optical fiber, which is as thin as a human hair, has risen more than 200-fold on land and more than 2,000-fold for seabed cables, during the past decade. The speed of routers that distribute transmitted information is increasing more than 100-fold. As such, the possibility of sending large quantities of data at very high speeds is suddenly increasing activity in the trends for building up data centers for collecting, delivering and handling large quantities of data. Data centers handle large quantities of data instantaneously. For them, therefore, it is extremely important not only that their communications devices be reliable, but also that the uninterruptible power supplies that feed them be reliable. Since communications devices are mounted in high densities to meet the needs for higher speeds, there emerges a new challenge: that is, to cope with large quantities of heat radiation from the devices.

One can therefore say that increasing the capacity and reliability of cooling fans will determine the reliability of the entire device. On the other hand, there will emerge some demand for replacing the terminals with ones capable of receiving large quantities of data at high speed, which will presumably result in a higher number of production lines to be owned by terminal equipment makers.

We, the members of Sanyo Denki Co., Ltd., have highly reliable technologies that we

have so far accumulated in such fields as highly reliable uninterruptible power supplies, highly reliable fans, and multi-function servo motors and controllers used in factory production lines. We are determined to continue being committed aggressively to developing technologies ahead of our competition and do our utmost to respond to the needs of the coming age.
