

# *Application of Computer Network Technology in Electronic Information Engineering*

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**Abstract:** With the high-efficiency development of computer network technology at this stage, the fields and frequencies of application of computer technology in the field of life and work are also increasing, and electronic information engineering, as a project with frequent interaction with computer networks, is far away from the actual operation process. Do not open the support and operation of computing network technology. Therefore, this paper briefly explores the application of computer network technology in electronic information engineering, analyzes the characteristics of electronic information engineering, understands the application function of computer network technology in electronic information engineering, summarizes the operation problems of electronic information engineering, and explores its application in combination with computer network technology. The application measures in electronic information engineering will play a certain role in promoting the construction and development of electronic information engineering in the next stage, ensure the technological level innovation and quality of electronic information engineering, and lay a solid foundation for exploring the application value of electronic information engineering .

## **1. Introduction**

Computer network is a basic technology developed based on the Internet platform. Its advantages are fast efficiency, high accuracy and long-term operation. It can support the development of life and work in real life and all walks of life. promote the development of the relevant economy. Electronic information engineering is also an important concept engineering born in the development of the times. The combination of the two can not only reflect the application value of information engineering, but also help the construction and development of related electronic information projects in the later stage. Therefore, this paper analyzes the content of electronic information engineering and computer network technology, and explores the application measures of network technology in electronic information engineering, so as to make an important contribution to the construction and development of electronic information engineering in the next stage.

## **2. Analysis of the Characteristics of Electronic Information Engineering**

In order to fully improve the application effectiveness of computer network technology in

electronic information engineering, this paper analyzes and understands the characteristics of electronic information engineering based on the characteristics of electronic information engineering, so as to optimize the development of computer network technology in the next stage and promote the development of information engineering. effect.

#### (1) High accuracy

In the operation process of electronic information engineering, itself is a platform and framework built by data, so in the process of processing problem data information, it has the advantage of high accuracy in essence, relying on information technology to collect and organize data And analysis, combined with the relevant operation instructions to query and edit the data. The data is calculated according to the pre-set operation logic, thereby improving the accuracy and accuracy of the system data processing, changing the current situation of further verification of the data in the traditional manual monitoring and processing process, and improving the quality and efficiency of data processing. Reduce the work pressure of staff, reduce the possibility of data deviation, make the data in electronic information engineering more valuable and reliable, ensure the quality and efficiency of information processing, and play a certain role in the use of this part of the information in the next stage. Promote the role of reducing the possibility of various losses caused by the low accuracy of data processing, and protect the economic benefits of enterprises or units.

#### (2) Wide coverage

Electronic information engineering is a people's livelihood project born based on Internet technology. Its purpose is to support the use of people's life information and the application of information resources. Therefore, in the construction process of electronic information engineering, it is required to follow the key points of wide coverage. By covering a large area of network communication range and providing corresponding data support and information support for the people within this range, the quality and efficiency of data processing can be effectively improved, and the effectiveness of information collection, sorting and processing within a specific range can be guaranteed. The effective combination of information engineering and computer network information technology and the creation of relevant hardware equipment and software platforms further expand the coverage area of electronic information engineering, including: wired telephone, wireless communication, WIFI network, etc., through the use of computer network technology to improve The coverage area of electronic information engineering enables enterprises and people within the scope to obtain sufficient data resources and data processing support.

### **3. The Role of Computer Network Technology in Electronic Information Engineering**

By analyzing the significance of the combination of computer network and information engineering, it is possible to deepen the understanding of the integration of information engineering and network technology by relevant staff or related enterprises and units to a certain extent, and further promote the effective combination of the two in this context, for the purpose of Create new technology, new equipment and promote the development of the Internet, play a certain role in promoting.

#### (1) Improve the reliability and security of information processing

With the continuous development of network technology at this stage? The efficiency and quality of information processing in its technical field are also constantly improving. Through effective integration with information engineering, electronic information engineering can use computer network technology for data processing, analysis and research, which can ensure the efficiency of data processing. quality and safety.

Especially at this stage, the rapid development of the Internet has greatly improved the level of resource sharing, and some relatively confidential information is likely to be intercepted by hackers

during the transmission process, resulting in huge losses. By combining computer network technology information engineering, the security of information processing can be effectively improved. Reduce the possibility of information leakage, avoid data loss and damage due to virus attacks on security system loopholes, etc., effectively ensure the security of computer data and information, and reflect the value of data. In addition, computer network technology, by building firewalls and improving monitoring systems, can effectively analyze and track network attacks in different directions 24 hours a day, and provide the police with corresponding key information, so as to reduce Internet crime incidents. The probability of occurrence makes an important contribution.

(2) The combination of the two is an important manifestation of promoting the development of the information age

Computer network technology and electronic information engineering are also an important part of the current development of the Internet. The integration of the two can not only further improve the processing capacity and quality of information, but also promote the modernization and development of the industry in the future information age. An important premise is that a resource sharing system consisting of terminal equipment, clients, optical fiber cables and other facilities can be established by using computer networks, so that the coverage of electronic information engineering can be further expanded, so that different regions can enjoy information resources. and provide important reference data for the construction and development of the information industry in the later stage.

At the same time, by promoting the combination of the two, the electronic information engineering can give full play to the advantages of the computer network, improve the transmission speed, and ensure that the electronic information engineering under information management can further improve the overall work efficiency and effectiveness during the operation process, so that the information engineering information can be obtained. The time and release time are greatly shortened, further demonstrating the efficiency advantage of information utilization in the modern context, and further improving the overall application effect.

(3) The application of computer network technology can improve the content of electronic information engineering

At this stage, although the content of electronic information engineering has been gradually improved as a whole, with the continuous development of information technology, the birth of new technologies and the formulation of new standards, electronic information engineering needs to be continuously supplemented, revised and improved in combination with related technologies. With the continuous innovation and development of computer network technology, to guide and supplement electronic information engineering, it can give full play to the operation mechanism of computer network technology. Its own function realizes transmission control in the true sense, and further promotes the further development of information engineering.

#### **4. Application of Computer Network Technology in Electronic Information Engineering**

By introducing the specific application of computer network technology in electronic information engineering, it can serve as a reference for optimizing the content of electronic information engineering in the next stage and improving the quality and efficiency of engineering operation.

(1) Application in electronic equipment

As we all know, TV network technology is a comprehensive information technology, which can support the operation, operation and data processing of various hardware equipment in the process of information engineering construction and development, so that information equipment can play

its due role, to improve the quality and efficiency of data processing.

For this reason, the selection, innovation and development of information equipment are very critical. On the premise of clarifying the importance of information engineering operation, the application of electronic equipment in the operation of electronic information engineering must be analyzed and the level of equipment upgraded with Internet technology to ensure electronic information. The overall level of the project has been further improved. By making full use of the advantages of computer network technology, the performance of the system equipment is improved and a corresponding resource sharing mechanism is established, so that the system equipment can realize the exchange of information between different terminals during the operation process. To achieve accurate data analysis and all-weather data flow monitoring, to ensure the quality and efficiency of data processing, to improve the stability of equipment operation, the stability of electronic information engineering operation and optimized development play a certain role.

#### (2) Application in information transmission

The main core function of computer network technology is the transmission, processing and analysis of information. Therefore, in the process of information transmission, the application of Internet technology can strengthen the processing of information by electronic information engineering and ensure that information can pass through different methods under different protocols. And measures to achieve effective analysis, integration, encryption and transmission of information, to ensure the integrity and security of information, to enable information to be sent to specific groups of people within the scope of coverage, to improve signal strength, and to ensure the stability of information transmission.

By applying network technology and improving the information transmission content of electronic information engineering, in the process of information transmission, electronic information engineering can build corresponding transmission channels according to different transmission media and different frequency bands to ensure the quality of transmission. Use wireless communication technology to carry out transmission operations, ensure the effect of transmission, and promote the integrity and confidentiality of information in the process of receiving information for specific groups of people. Areas with weaker signals can still collect relevant data information and improve the effectiveness of data applications.

#### (3) Application in information security

At this stage, because the information itself has a certain value, criminals use system loopholes or information transmission channels to intercept information, and destroy the value of the original information, resulting in various economic losses that seriously interfere with the stable operation of the social network environment. This is extremely unfavorable to the construction and development of electronic information engineering. Therefore, by applying computer network technology to supplement and improve the existing electronic information engineering, it is possible to give full play to the advantages of information encryption under this technology, so that information can be transmitted in the process of electronic information engineering. Among them, it can avoid being intercepted by foreign hackers, improve the security of information transmission, and ensure that the information can further play its original role in the transmission process and show its own value.

## 5. Conclusion

To sum up, in order to further improve the application effectiveness of computer network technology in electronic information engineering, the staff must clearly explore the characteristics of electronic information engineering, analyze the role of network technology in electronic information engineering, and pass the application of network technology in different fields. , fully improve the stability, quality and efficiency of electronic information engineering operation, in

order to ensure information security, improve transmission efficiency to a certain role, and achieve the goal of further promoting the construction and development of electronic information engineering.

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