Computer Network Level and One Belt, One Road International Trade

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Abstract. One belt, one road, is becoming more and more prosperous with the improvement of computer network. One belt, one road, and the other countries along the way, the network information application played a basic role of universal benefit, which promoted the new idea of information infrastructure construction. By improving the level of computer network, we can improve international trade from four aspects, such as Internet penetration, mobile Internet, fixed broadband Internet, Internet security, etc. Through the computer network, we can analyze the export trade flow. According to one belt, one road, we can analyze the impact of the digital divide on the export volume of trade partners. In the process of trade, Internet security is the most important. However, Internet security does have the least impact on international trade. First, one belt, one road, and the other two countries, are analyzed. This paper analyzes the current situation of international trade. Finally, some suggestions are put forward.

Keywords: Computer Network Level, One Belt One Road, International Trade

1. Introduction

With the popularity of the Internet, network level is not a simple technical term, which has been integrated with the Internet economy [1]. According to China Internet Information Center (CNNIC), as of March 2020, the number of Internet users in China is 904 million, and the Internet penetration rate is 64.5%. The huge number of Internet users constitutes China's booming consumer market and lays a solid user foundation for the development of digital economy [2]. Internet technology is gradually changing the traditional international trade, which has attracted worldwide attention. In recent years, the Internet international export bandwidth, the number of web pages, the number of websites and the penetration rate have been rapidly improved, which has formed a high-speed Internet environment. The Internet has changed the traditional way of obtaining information in international trade. Through the Internet, the main body and process of international trade have changed accordingly [3]. Therefore, we need to sort out the mechanism of the influence of the Internet on international trade, which will better carry out international trade, including cost saving effect, spillover effect, heterogeneity effect and so on [3].
2. The influence of computer one on one belt, one road international trade

One belt, one road, has brought about new changes and innovations in the computer network, which has a profound impact on international trade, as shown in Figure 1.

![Diagram](image.png)

**Figure 1.** The influence one computer network has on one belt, one road of international trade

2.1. *Added Internet economy*

According to the theory of "user value = create value + deliver value", the value model of business can be divided into create value and deliver value. Internet + has become the application mode of Internet technology in social production and life. By combining with other traditional industries, we can reallocate and optimize the production factors. By integrating into the economy and various fields, we can endow traditional industries with new creativity and productivity. The close combination of Internet technology and traditional industries has brought a new industrial revolution, which has formed the penetration of social and economic life. The network economy has shown the strong vitality of the Internet economy, which has brought new directions for international economic development [4].

2.2. *Promote the formation of new economic formats*

With the development of network technology, the content of cyberspace is constantly standardized. Therefore, the Internet terminal function is more and more perfect, which provides more possibilities for "Internet +". Through the formation of the network, the Internet of things can capture, filter, store, allocate and analyze the complex and changeable mass data, which will form the initiative, open and predictive information. Through the computer Internet, we can reduce costs and improve productivity, which makes it possible to ask for economic benefits from efficiency and security. Through the connection of intelligent devices, we can seamlessly connect people and things, things and things, data and industry, consumption and amount. Through the Internet, the consumption, finance, logistics and other industries in the circulation field have been familiar and accepted by the public. At the same time, "Internet +" has been extended to medical, health, education and other fields. Therefore, China has gradually moved from network infrastructure to mobile Internet, big data and cloud computing with software and information technology services as the core [5].

2.3. *Creating a new pattern of international economy*

China and one belt, one road one belt, one road is working together to create an upgraded version of the free trade area, which will continue to promote international trade along the belt. Through the "one belt, one road" regional economic and trade cooperation, we can carry out exchanges and cooperation in the field of network security and informatization. For example, we can build the 21st century "maritime Silk Road" comprehensive information hub. In cross-border e-commerce cooperation one belt, one road, and one ASEAN business strategy can be implemented. This can be done with the one area national network of international business, such as Malaysia durian and Vietnam specialty products. One belt, one road, is a large area of three continents that radiate over Asia, Europe and
Africa, which has connected more than 2/3 of the world's population and 1/3 of the total economy. The "one belt, one road" strategy has been implemented from the interconnection, including transportation infrastructure, information, logistics, norms and standards. Through the connection of information, "Internet +" can improve the flow of goods and people, which can completely reshape the new pattern of international economy [6].

3. The relationship between computer network level and international trade

3.1. The status quo of Internet and foreign trade
China should conform to the development trend of "Internet plus" in the world, which will give full play to the scale advantage of China's Internet. At present, China's traditional industries rely on "Internet +" to achieve transformation and upgrading, which has formed a digital economy, platform economy and sharing economy. This paper lists the development trend comparison between China's foreign trade volume and the scale of Internet users from 1996 to 2016, as shown in Table 1.

| Year | Import volume (US $100 million) | Export volume (100 million US dollars) | Number of Internet users (10000) |
|------|---------------------------------|----------------------------------------|--------------------------------|
| 2010 | 3226                            | 3663                                   | 45730                           |
| 2011 | 4399.1                          | 4542                                   | 51310                           |
| 2012 | 4584.9                          | 5013.5                                 | 56400                           |
| 2013 | 4714.1                          | 5690.9                                 | 61758                           |
| 2014 | 4833.6                          | 6370.4                                 | 64875                           |
| 2015 | 3883.4                          | 6145.8                                 | 68826                           |
| 2016 | 3661.1                          | 5874.8                                 | 73125                           |
| 2017 | 6660.5                          | 7742.6                                 | 77198                           |
| 2018 | 5630.7                          | 7047.3                                 | 82851                           |

3.2. Analysis on the mechanism of e-commerce to international trade
With the rapid development and comprehensive popularization of Internet technology, e-commerce provides greater convenience for cross-border trade, which provides a new way for Global trade. E-commerce is an emerging industry, which can most directly affect cross-border trade. At the same time, e-commerce provides support for improving trade efficiency. The level of e-commerce is mainly reflected in the popularity of the national Internet, the application of new technologies by enterprises, and the utilization rate of e-commerce. The number of Internet users is the basis of e-commerce level. The Internet is more and more widely used, which provides a platform for the development of e-commerce. The convenience of e-commerce will become the consumption mode of more and more people, which will promote the development of international trade. From the perspective of enterprises, e-commerce makes people more and more clear about the commodity information, which is conducive to the absorption and application of new technologies. By increasing innovation, we can gain competitive advantage, which will increase the volume of international trade.

3.3. Construction of index system
From the perspective of the scope of application, we can build a new index system. There is a big gap in the economic strength of the countries along the line, including both the countries with strong economic strength and the countries with relatively weak economic strength. Therefore, we can one more fit the one belt, one road, the world bank's trade facilitation model. Based on the selection of trade facilitation indicators, we should strictly abide by the three principles of scientificty, operability and integrity, which can build trade facilitation indicators, as shown in Figure 2.
4. The policy suggestion

4.1. Speed up the popularization of Internet infrastructure
The essence of network lies in "interconnection". Internet has become an indispensable new infrastructure in modern society. The development of network infrastructure is the basic condition for enterprises to apply Internet to innovate business model, develop Internet economy and expand foreign trade. The government should continue to strengthen the construction of network infrastructure. By increasing the Internet infrastructure, we can make up for the "digital divide" existing in the regional network infrastructure. By improving the level of Internet use and penetration, we can increase the volume of foreign trade. At the same time, we can promote the optimization of trade structure, which is conducive to improving the "new normal" dilemma in the field of foreign trade. The impact of the Internet on the economy and trade depends not only on the penetration rate, but also on the degree of coordination between Internet technology and technological changes in other fields. Therefore, when popularizing the Internet, we need to promote the integration of Internet technology with manufacturing and service industries, so as to provide support for the Internet to further play a leading role in the field of trade.

4.2. Actively promoting the integration of "Internet plus foreign trade"
In the era of "Internet plus" in China, the Internet has become an important part of China's economic development. The development of Internet plus has provided impetus for China's new round of economic growth, which has provided an important opportunity for China's "Internet plus foreign trade". In the field of international trade, the Internet can be conducive to the optimal allocation of
transnational resources and production factors, which can make the market mechanism play a full and effective role in the global scope. "Internet plus foreign trade" is a new trade mode, which can improve the efficiency of trading. For example, cross-border e-commerce as the representative of trade shows a booming trend. At present, data and information have become an important factor of production, and the Internet has become an important carrier of this factor of production. Based on the performance of the Internet in China's economic field, we propose to encourage and support cross-border e-commerce and other comprehensive service platforms, which can increase the proportion of China's export trade.

5. Conclusion
Network information one belt, one road, international trade, played a universal role in promoting the construction of information infrastructure in various countries. One belt, one road, can be increased by increasing the level of the network. For China's information application enterprises to "go global", the state should still strengthen the top-level design, and give support from policy, capital and law.

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