

Introduction of Computer Systems and Applications

Asadullah Shah

Imad Fakhri Taha Alshaikhli



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INTRODUCTION OF COMPUTER SYSTEMS AND APPLICATIONS

Editors

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Imad Fakhri Taha Alshaikhli



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2. INTERFACES AND PROTOCOLS

Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli
Department of Computer Science, Faculty of Information and
Communication Technology, International Islamic University Malaysia,
Malaysia

Abstract

Most computer devices in a system are connected through interfaces, protocols or wires. The interface is required to connect two different devices to communicate. The protocols are used between two devices having same mode or operations and can understand and translate information directly. However, in a computer system communication between individual components is managed through wired links. Different component are connected using different types of wires. In this chapter student will learn about interface, protocol wires in a system.

2.1 Introduction

Computer systems nowadays are use for multiple purposes. In other to become an effective tool a computer has to be connected with other computer by using modern communication technological tools. Interfaces are use when two computers with dissimilar setting are in similar network to communicate together. However, protocol are procedures where identical situation exist between two computer connected are communicating together.

2.2 Advanced Technology Attachment (ATA)

ATA is a standard interface for connecting storage devices such as hard disks and CD-ROM drives inside personal computers. Figure 2.1 is a data cable; consist of parallel wires of conductors that are connected to transport parallel bits between two devices.