**Key Terms for Charpter 1**

| **Key Term** |  | **Definition** |
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| application software | 应用软件 | End user software |
| apps | 手机小程序 | Small programs designed for mobile devices |
| Blu-ray disc (BD) | 蓝光光盘 | Optical disc using laser technology to store data and programs |
| cloud computing | 云计算 | Uses the Internet and the web to shift many computer activities from a user’s computer to computers on the Internet |
| communication device | 通讯设备 | Computer equipment that allows a computer to connect to other computer systems to share data and information |
| compact disc (CD) | 光盘 | Optical disc that stores data and programs |
| connectivity | 互联 | Provides the capability for computers to connect and share information with other computers |
| data | 数据 | Unprocessed facts including text, numbers, images, and sound |
| database file | 数据库文件 | Typically created by database management programs to contain highly structured and organized data |
| desktop computer | 台式机 | Use standalone operating systems like Windows 10 or macOS |
| digital versatile disc (DVD) | DVD（数字通用盘） | Optical device that provides great storage capacity and can be used to store many different types of data (See also digital video disc) |
| digital video disc (DVD) | DVD（数字视频盘） | Optical device that provides great storage capacity and can be used to store many different types of data (See also digital versatile disc.) |
| display | 显示器 | A monitor used to display information |
| document file | 文档文件 | Created by word processors |
| embedded operating systems (RTOS) | 嵌入式操作系统 | Embedded operating system known as real-time operating system used in cell phones, tablets and other mobile devices |
| end user | 终端用户 | People, the most important part of an information system (See also people) |
| general-purpose application | 通用应用软件 | Application software that is used in nearly all careers |
| hard disk | 硬盘 | Secondary storage device that uses magnetized charges to store information and programs |
| hardware | 硬件 | Physical equipment, controlled by software and processes data to create information |
| information | 信息 | Processed facts |
| information system | 信息系统 | How the critical parts of technology interact |
| information technology (IT) | 信息技术 | Relates to computer software and hardware, and data |
| input device | 输入设备 | Include keyboard and mouse and are translators between humans and computers |
| Internet | 互联网 | The largest computer network in the world |
| IoT (Internet of Things) | 物联网 | The continuing development of the Internet that allows everyday objects embedded with electronic devices to send and receive data over the Internet |
| keyboard | 键盘 | Input device that allows the user to input character data into the computer |
| laptop computer | 台式机 | Also known as a notebook computer, is lightweight and portable |
| mainframe computer | 大型计算机 | Computer that is capable of great processing speeds and data storage |
| memory | 内存 | Holds data and program instructions currently being processed (See also random-access memory) |
| microprocessor | 微处理器 | An important component of a computer system, controls and manipulates data to produce information |
| midrange computer | 中（小）型计算机 | Most widely used to support end users for specific needs such as retrieving data from a database or supplying access to application software |
| mobile app (application) | 手机小程序 | Known as apps and are small programs primarily designed for mobile devices such as cell phones and tablet computers |
| modem | 调制解调器 | Modifies audio, video, and other types of data into a form that can be transmitted across the Internet |
| monitor | 监视器（显示器） | Most common output device that displays the output |
| mouse | 鼠标 | Input device that allows the user to point and click on items |
| network | 网络 | A communications system connecting two or more computers |
| network operating system | 网络操作系统 | Used by a network to coordinate network resources |
| notebook computer | 笔记本电脑 | Microcomputer, also known as a laptop, that is portable, lightweight, and fits into most briefcases |
| operating system | 操作系统 | Coordinates computer resources, provides an interface, and runs applications |
| optical disc | 光盘 | Secondary storage device that uses laser technology and is used to hold data and programs |
| output device | 输出设备 | Translator between humans and computers, most common output device is the computer monitor |
| PC | 个人计算机 | Personal Computer |
| people | 人类 | The most important part of an information system (See also end user) |
| personal computer | 个人计算机 | PC |
| presentation file | 演示文稿文件 | Created by presentation graphics programs to save presentation materials |
| procedures | 用户手册（技术手册） | Rules or guidelines for people to follow when using software, hardware, and data |
| program | 程序 | Step-by-step instructions that tell the computer how to do its work (See Software) |
| random-access memory (RAM) | 随机读写存储器 | Holds data and program instructions that is currently being processed (See also memory) |
| real-time operating system | 实时操作系统 | Embedded operating systems used in mobile devices (See embedded operating system) |
| secondary storage | 辅助存储器 | Holds data and programs even after electrical power to the computer system has been turned off |
| server | 服务器 | Most widely used to support end users for specific needs such as retrieving data from a database or supplying access to application software (See midrange computer) |
| smartphone | 智能手机 | Most widely used handheld computer. Smartphones are cell phones with wireless connections to the Internet with processing capabilities. |
| software | 软件 | Step-by-step instructions that tell the computer how to do its work (See also program) |
| solid-state storage | 固态存储器 | Secondary storage device that has no moving parts |
| specialized application | 专用软件 | Computer programs that are narrowly focused on specific disciplines and occupations (See also special-purpose application) |
| stand-alone operating system | 单机版操作系统 | Used in desktop computers and include Windows 10 and Mac OS |
| supercomputer | 超级计算机 | Most powerful type of computer that is a special high-capacity computer used by very large organizations |
| system software | 系统软件 | Enables the application software to interact with the computer hardware and helps the computer manage its own internal resources |
| system unit | 系统单元 | Contains electronic circuitry, including microprocessors and memory |
| tablet | 平板电脑 | Also known as a tablet computer, is smaller and lighter and generally less powerful than a laptop, usually has a flat screen and a virtual keyboard |
| tablet computer | 平板电脑 | Also known as a tablet, is smaller and lighter and generally less powerful than a laptop, usually has a flat screen and a virtual keyboard |
| utility | 工具软件 | A part of the system software that performs specific tasks related to managing computer resources |
| virus | （计算机）病毒 | Malicious program that can damage software, hardware, and compromise the security and privacy of your personal data |
| wearable | 可穿戴设备 | Mobile computer that can be worn |
| web | 万维网 | Provides a multimedia interface to the numerous resources available on the Internet |
| wireless communication | 无线通讯技术 | Communication between wireless communication devices such as cell phones and tablets |
| wireless revolution | 无线通讯技术革命 | A revolution that is expected to dramatically affect the way we communicate and use computer technology |
| worksheet file | 工作表文件 | Created by electronic spreadsheets to analyze things like budgets and to predict sales |