Digi RealPort® USB Technology

The industry's first USB Over IP® technology

Overview

Digi's patented RealPort USB software allows companies to network-enable USB devices easily without spending valuable time and money to re-write existing application programs.

About RealPort USB

Many of today's key business applications were written to talk to USB devices that are directly connected to servers. To serve their customers better, businesses have found it necessary to locate USB devices in places that are not always close to servers or PCs.
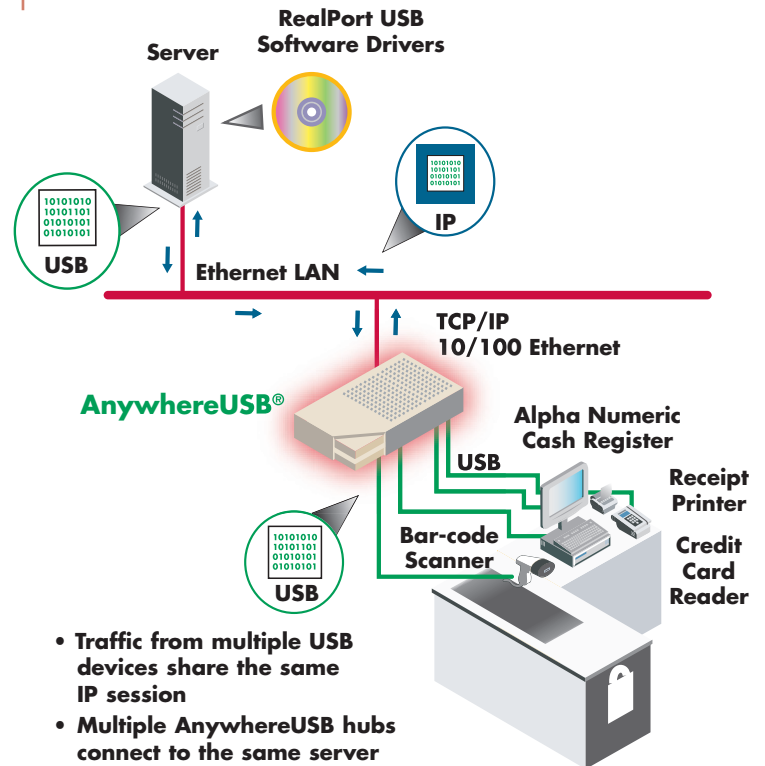
Using RealPort USB software in conjunction with the AnywhereUSB network-enabled USB hub, users can connect USB devices anywhere on the LAN. The solution is seamless – the USB devices appear as though they are plugged directly into the host PC, when in actuality they are connected to an AnywhereUSB somewhere on the network. This ensures compatibility with existing applications without any modifications.

RealPort USB software is unique among USB extender solutions. It is the only implementation that allows multiple connections to multiple USB ports over a single TCP/IP connection. This means that USB devices may be placed anywhere a network connection exists. Also, RealPort USB supports as many USB devices over the network as a server would if they were directly connected. Many USB extenders cannot use TCP/IP networks at all, making USB cabling clumsy and subject to reliability problems. Other USB extenders require a separate TCP/IP connection for each USB port, resulting in higher network overhead and more processing demands on the server.

RealPort USB also provides connection recovery – after a network interruption RealPort USB automatically reconnects the device to the server's USB port without the application knowing there was a failure. Finally, RealPort USB offers extensive operating system support including Microsoft® Windows Server™ 2003, Windows® XP, Windows 2000 and Windows NT®.

RealPort USB comes standard with Digi's AnywhereUSB network-enabled USB hub.

RealPort USB Solution

Server

RealPort USB Software Drivers

USB   **IP**

Ethernet LAN

TCP/IP 10/100 Ethernet

AnywhereUSB®

USB

Alpha Numeric Cash Register

Bar-code Scanner

Receipt Printer

Credit Card Reader

USB

- **Traffic from multiple USB devices share the same IP session**
- **Multiple AnywhereUSB hubs connect to the same server**

Features/Benefits

USB connections over any IP network	• Extends USB cabling distance beyond five meters • USB peripherals may be anywhere
Transparent network connection	• USB ports appear to be locally attached and provide same Plug and Play user experience as onboard USB ports
Connections to multiple USB ports over a single TCP/IP connection	• Reduces overhead compared to other USB extenders
Multiple AnywhereUSB hubs per server	• Virtually unlimited numbers of extended USB ports
Supports bulk or interrupt type devices	• Compatible with hundreds of different USB products
Connection recovery	• Provides fault tolerance for network failures
Connections to back room server	• Increases security
Comprehensive OS support	• Compatible with nearly any Windows program

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