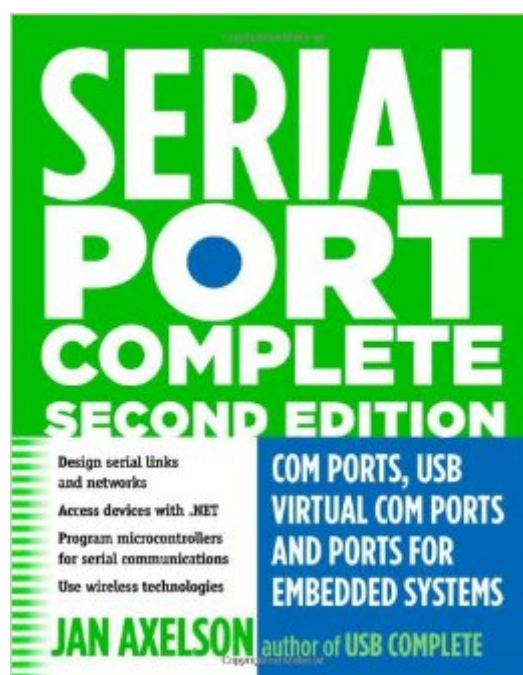


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# Serial Port Complete: COM Ports, USB Virtual COM Ports, And Ports For Embedded Systems (Complete Guides Series)



## Synopsis

PC COM ports, USB virtual COM ports, and ports in embedded systems are all addressed in this updated guide to programming, interfacing, and using serial ports. Topics include using .NET's SerialPort class for COM-port communications on PCs; upgrading existing RS-232 designs to USB or wireless networks; and creating serial networks of embedded systems and PCs. Example circuits and code provide a quick start to projects. Installation and maintenance staff will also find tips for ensuring reliable operation and problem tracking.

## Book Information

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## Customer Reviews

Jan Axelson is one of the best technical writers I've ever read. Her books are always clear and to the point. The second edition of her venerable Serial Port Complete brings that excellent book into the 21st century with expanded coverage on using USB for a virtual serial port. This allows folks with legacy RS232 systems to use them on PCs that only have a USB port. Many folks find using a virtual serial port device such as the FTDI FT232R to be an easier way to communicate with embedded systems than using direct USB - though Jan goes a long way to making that easier with her USB Complete book. I got started with USB using her USB Complete book and I don't think I could have managed with out it. Jan has published a bunch of books and the reader would do well to search on her name and see all her offerings, there really is no better way to learn a topic than to

get her book on a subject. Definitely 5 stars.

If you work with or need to work with RS-232, USB or RS-485, this book is a must-have reference. The subject matter of this book is heavy on the embedded side of serial communications as Jan covers .NET serial programming and explains how to completely configure a serial port on a microcontroller. Jan then goes on to tell you how to bring up an RS-485 network. Leaving no stone unturned, Jan explains how to design and deploy an embedded RS-232 network. In addition to the discussion of traditional serial data formats and serial hardware implementations, Jan includes tips on how to use the special-function FTDI USB/Serial IC. She even explains why wires pick up noise and how to choose the right wire for the application. Jan's new book is a one-stop serial communications reference which includes serial connector pinouts, data format illustrations, example source code and a multitude of schematic representations. If you need to know how to successfully deploy serial links, you need to have this book on your desk.

Serial communications books are getting harder to find. I was looking for some specific information on Virtual Comm Ports. This book had a useful chapter for me. These are tough books to write - going too deeply loses the mass audience. And too shallow loses the techies. This book had a balance. I would have liked more references to other material. Worth the purchase and time to read.

I like that this book covers the hardware AND the software (VB for me). Serial is still very prevalent in industrial applications, so this helped explain a number of things. Certainly better than any white pages I've read.

I was having trouble using the serialport in .NET. I tried searching the internet but still couldn't get it. I purchased this book and instant success. I highly recommend this book.

I was surprised to see that the code in this book was written in VC# and VB. It's hard to find books written with VB code in it. If you know one language and not the other it's a great opportunity to learn a new language. The beginning of this book takes a considerable amount of time explaining the basics of communication. This book does not cover the how's and why's of building circuits - so you will have to either already know electronics or take an electronics class. The chapters in the second half of the book are thorough. The author has included more than enough information to get you up and running. If you know VC# or VB and have an intermediate knowledge of circuit building

then this book is for you. This book is very informative, covers many different types of networks and is easy to understand.

Many thank-you's for such a great book. I need this book to help me understand serial communication. Just browsing in this book gives me the warm fuzzies. I love it!! Just what I needed. Best Regards...

Very detailed information on the subject, I used it for a project at work. Examples given in C# lend themselves to aiding Visual Studio developers having to program systems using serial communications hardware.

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