

QUADRON



qX25 for Windows 2000



X.25 communications with ARTIC cards.

Quadron's qX25 for Windows 2000 is software that works in conjunction with ARTIC communication cards to provide X.25 protocol processing for Windows 2000 computer systems.

By offloading X.25 processing onto a PCI-bus ARTIC card, you'll save your CPU from protocol processing overhead and maintain in-house security while you support the CCITT's international standard X.25 protocol.

Our qX25 consists of an X.25 driver, C-language software development tools, and runtime support for the dedicated ARTIC communication cards.

- Supports Windows 2000 operating system.
- Offloads X.25 processing from the host computer to an ARTIC communications card.
- qX25 operates as a single task on the ARTIC card.
- Multiple qX25 tasks can serve multiple lines on a single ARTIC card.
- Supports up to 64 simultaneous virtual circuits on each qX25 line.
- Packet size up to 1024 bytes.
- Choose from three families of PCI ARTIC cards.
- Use multiple ARTIC cards on one Windows 2000 server.
- ARTIC I/O driver provides buffering, interrupt handling, and DMA control.
- Diagnostic display of HDLC activity and frame history.
- Fine tune communication performance with multiple X.25 parameters.

Who should use qX25 for Windows 2000?

Quadron's qX25 for Windows 2000 is the ideal X.25 application development vehicle for OEMs, system consultants, and end users. It frees designers from low-level ARTIC internals, while at the same time it doesn't limit their range of communication options.

Flexible X25

The flexibility inherent in X.25 packet-switched data has resulted in widespread use. Many benefit from the economies of public packet networks, while others create their own private networks.

Put smart cards to work

ARTIC cards have their own on-board processors, so each card becomes a computer within a computer. By using Quadron's qX25 software, these computers become dedicated X.25 processors within your Windows 2000 system.

Standard X25 saves you time and money

Quadron's qX25 implements the CCITT standard link and network layer, packet-switching X.25 communications protocol. The I/O-intensive processing required by the X.25 protocol makes it ideal for offloading from the Windows 2000 host system onto the ARTIC card. All levels of X.25 operate as a single task on the ARTIC card, and require few external resources after initialization.

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Match your needs

Quadron's qX25 software serves a wide range of needs, from simple to complex. You can have as much or as little control over X.25 procedures as you wish.

Keep it simple

For basic applications, qX25 automatically handles various non-data messages used in circuit setup and tear-down. Outgoing data sent as logical records by an application are automatically packetized by qX25. Incoming data are automatically reassembled by qX25 into logical records before being sent on to the application.

Control it all

For more complex needs, qX25 makes X.25 facilities available to Windows 2000 programs. You can fine tune parameters for frame, packet, time-out, and application interface levels. If you wish, your application can control data packetization before passing it to qX25.

Combine qX25 with Quadron's qCF

You can use qX25 by itself or combine it with Quadron's qCF for Windows 2000. Use qCF's drivers for async, bisync, or HDLC protocols and develop custom, concurrently-running ARTIC communication tasks. You'll be able to run multiple protocols on one ARTIC adapter.

Technical support

Quadron provides a high level of service and support. If it's needed, free technical support is available during the warranty period.

Custom programming

Quadron engineers are available for custom programming and other support services. Just tell us what you need.

Software requirements

To develop, test, and run qX25, you will need both components of our qX25 for Windows 2000 software, Microsoft C v6.0, Microsoft Visual C++ v6.0, and a Windows 2000 computer. Specify the following:

- # 8302 qX25 for Windows 2000 Developer's Toolkit
- # 8202 qX25 for Windows 2000 Runtime Support

How to order ARTIC hardware

Choose one of three PCI-bus ARTIC cards available for qX25 for Windows 2000:

- # 6880 ARTIC X.25 ISA/PCI Adapter
- # 1203 ARTIC186 8-Port PCI Adapter
- # 6650 ARTIC186 Model II ISA/PCI Adapter

Depending on the ARTIC card, different interfaces are available: EIA-232, EIA-422, X.21, X.21 bis/V.24, and V.35. Quadron maintains a stock of ARTIC components for sale and immediate delivery. Our technical sales people can help you select what best suits your particular application.

Contact Quadron for more information

Communications has been our only business since we founded it in 1986. Since then, we've been assisting people with stock and custom software, training, and the finest ARTIC development tools. Fax, email, telephone, or write to us any time.

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