



Model: 98701-7

A Faster PCI Serial Controller Card 921 Kbps Across All Ports!

While most serial cards run at or around 230 Kbps on each port, RocketPort Plus model **98701-7** is different. It runs at speeds up to 921 Kbps simultaneously on all ports. The installation is easy because there is no shared memory to configure. This RocketPort Plus serial controller card quickly installs into the PCI slot of a personal computer. And once installed, the port looks like standard COM ports.

The RocketPort Plus uses two 44 MHz processors specifically designed to process asynchronous serial communications in order to maximize performance and eliminate bottlenecks. This sets the RocketPort Plus card apart from all other cards of its kind. That means a 44 MHz processor for each of the four ports. So, the RocketPort Plus is not only faster, but reliable as well.

Fully Integrated ASICs

Other serial cards use numerous components to accomplish their tasks. Each of these components and its mounting on the card means an increased risk of failure.

The RocketPort Plus model **98701-7** serial card is equipped with fully integrated ASICs (Application Specific Integrated Circuits) designed to serve functions that usually require multiple components. Integration not only reduces the component count by 80%, which means a significantly reduced risk of failure, but also reduces RocketPort Plus' power consumption considerably. The result is the most reliable and economical serial port card available.

Port Surge Protection

Most cards are not able to withstand electrostatic discharge and power surges up to 25 Kv ESD. The RocketPort Plus **98701-7** is designed to withstand such conditions. The RocketPort Plus power surge/ESD protection is an advanced feature not commonly found on other 921 Kbps cards.

Larger Transmit and Receive FIFOs Speed Up Data Transfer

The large FIFOs on the RocketPort Plus **98701-7** ensure sustained transfer rates by buffering data when the CPU is busy. Many serial cards have very small FIFOs, or buffers, used for transmitting and receiving data. With smaller buffers, a card must stop each time the buffer fills and wait for the data to clear. This continual starting and stopping increases the load on the CPU and reduces the overall performance of the card. The large buffers help ensure consistent, high throughput even on heavily loaded servers.

Maximized Throughput, Minimized Cost

The ASIC design and larger FIFO buffers, combined with two dedicated 44 MHz processors for each of the four ports, gives the RocketPort Plus **98701-7** the power to sustain throughput at speeds of up to 921 Kbps on each port simultaneously. That's more throughput for a lower price than most conventional multiport serial cards!



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Hardware Specifications

- Number of Cards/System: 4
- Baud Rate: 200 to 921 kbps, dependent on hardware and operating system configuration
- Operating Systems: Win 95/98/NT/2000, UnixWare 2.x, Linux, SCO OpenServer, Netware, FreeBSD
- Bus Interface: PCI
- Data Bits: 7 or 8
- Parity: Odd, Even, or None
- Stop Bits: 1 or 2
- Dimensions: 5.25 x 4.2 in
- Weight: 12 oz
- I/O Ports/Expansion Slot: 2
- Data Interface: RS-232
- Connector Type: DB9 male
- Surge Protection: Provides ESD surge protection exceeding 15 KV
- MTBF: 101 years (Mean Time Between Failures)
- Power Consumption: 1.89 W
- Current Consumption: +5 VDC @ 180 mA
+12 VDC @ 40 mA
-12 VDC @ 50 mA

- Air Temperature
 - System On: 0 to 40 °C
 - System Off: -20 to +85 °C
- Humidity (non-condensing)
 - System On: 8% to 80%
 - System Off: 20% to 80%
- Altitude 0 to 10,000 ft (0 to 3048 m)

Electromagnetic Compliance

- Emission: Canadian EMC requirements; CISPER-22/EN55022 Class B; FCC PART 15: Class B
- Immunity: EN50082-2: 1995; IEC 1000-4-2: 1995; IEC 1000-4-4: 1995; IEC 1000-4-3: 1993
- UL Recognized



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