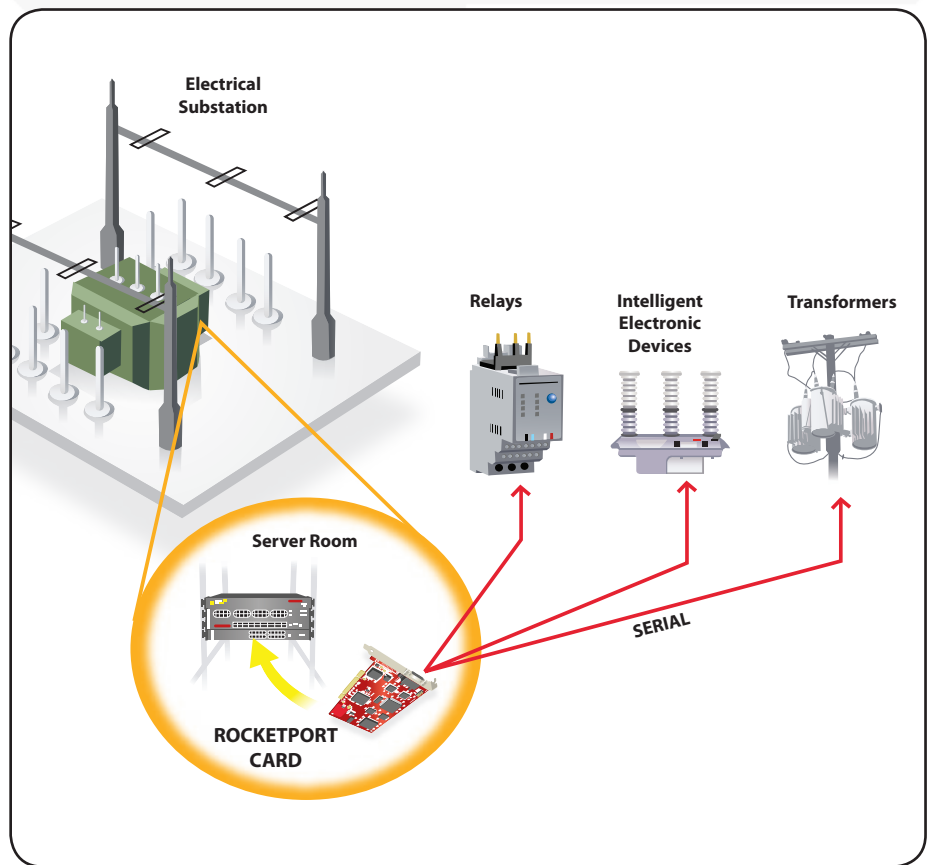


## ELECTRICAL SUBSTATION DATA COLLECTION

Electrical substations are secondary stations of electricity generation, transmission and distribution systems where voltage is converted from high to low or the reverse using transformers. Electric power may flow through several substations between the generating plant and the consumer. Typically, individual substations contain switching, protection and control equipment along with one or more transformers.

The intelligence for monitoring all functions that take place within each substation is housed in a small building. One system integrator has been incorporating Control's RocketPort card within their substation management software for five years.

The RocketPort card is installed into the rack-mount rugged computer, where the ports are connected to relays, RTUs and other intelligent electrical devices (IEDs) for data collection and control. Each device within a substation sends information serially to the RocketPort, which the substation computer then communicates to the central station by Ethernet across the WAN (Wide Area Network).



Control's RocketPort card provides a reliable bridge between all the functions happening at the substation to the central station. This allows for closer monitoring, and to ensuring that everything is working properly and providing power to the appropriate end-users.

*Continued on back*

## INFINITY & EXPRESS Multiport Serial Cards



PCI-X and PCI Express serial device connectivity

RocketPort INFINITY and EXPRESS families are Comtrol's next generation multiport adapters. The cards design maximizes serial performance via Comtrol's exclusive high performance Unity chip.

The INFINITY and EXPRESS cards offer the highest port density options available in expansion cards, with 4 to 32 ports for connecting even more serial devices, such as printers, scanners, cameras and weigh scales.

RocketPort cards are flexible, reliable, and high-speed in-server serial port expansion cards. They deliver dependable connectivity and increased communication capabilities in a wide variety of commercial and industrial applications.

Factory systems  
SCADA systems  
Point-of-sale systems  
Video tape recorders  
Digital signage  
Road sensors  
Satellite control

Printers  
Scanners  
Barcode readers  
Remote camera control  
Weigh scales  
RFID transponders



- INFINITY: 32 or 64 Bit 3.3 or 5 Volt uPCI or PCI-X Connectivity
- EXPRESS: PCI Express x1, x2, x4, x8, x12 and x16 Lane Connectivity
- Low-profile or Standard Height Compatible
- RS-232/422/485 Software-selectable
- 4- to 32-Port Densities
- High Performance Cards with Speeds up to 921 Kbps
- Various interfaces and cabling options available – Interface box or Quad/Octa cable
- Supports Windows-certified drivers and Free BSD, Linux, QNX, and SCO Open Server
- RoHS2 Compliant



**Warranty Information**  
Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

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