

# SERIAL/IP REDIRECTOR

## VERSION 4.8

The Serial/IP® Redirector creates virtual COM ports that let Windows applications use serial device servers, eliminating the distance and cabling limitations of locally attached serial devices.

Using public TCP/IP protocols, the Serial/IP Redirector works with numerous TCP/IP-based serial device servers, from single-port serial/Ethernet adapters to large-scale servers with hundreds of serial ports. All Serial/IP redirector functions, network I/O, and optional data encryption run at kernel level for superior performance, low latency, and unattended server applications.

### SERIAL/IP BASICS

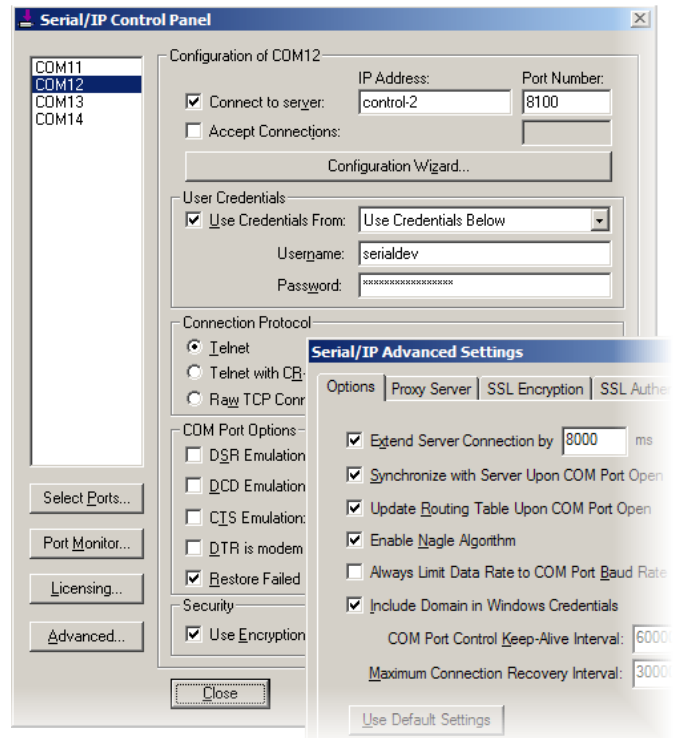
- ▶ Installs on the client computer, no server software required
- ▶ Creates up to 4,096 virtual COM ports on unused COM ports
- ▶ Automatically detects and checks settings for server access and protocol support
- ▶ Applications use virtual COM ports instead of local serial ports
- ▶ Can accept incoming connections from client-mode servers
- ▶ Displays port status, traces COM port activity

### KEY FEATURES

- Control Panel interface manages up to 4,096 virtual COM ports
- ActiveX interface allows run-time reconfiguration by other applications and tools
- Automated login to serial device server using name/password of the current Windows user or other sources
- Automatic reconnect to server if network interrupted
- Supports DNS resolution of serial device server host names
- Runs as a Windows service, no user login required
- Configuration changes can be restricted to Administrator
- Optional encryption protects connection to serial server with SSL/TLS, ciphers up to 256-bit AES, certificate validation

### SYSTEM REQUIREMENTS

- Intel-compatible PC, 32-bit or 64-bit (x64) processor
- Microsoft Windows XP sp1/2, Server 2003, 2000, NT 4 sp4+, 98, 95, Terminal Services; Citrix
- TCP/IP-based serial device server, optionally supporting COM Port Control extensions of the Telnet protocol (IETF RFC 2217)



### IMMEDIATE BENEFITS

- Lets Windows applications use serial devices on networked device servers
- Eliminates distance limitations of serial cables
- No changes to application software
- Works with TCP/IP-based serial device servers from multiple manufacturers
- Enables large-scale applications
- Retains advantages of COM port programming

### WORLDWIDE APPLICATIONS

- Device control and data acquisition
- Out-of-band management of routers, servers
- Factory automation, process control, bar code scanning
- Point-of-sale terminal integration
- Facility system management, security monitoring