

# RCS/3000 SERIES

## Intelligent Ethernet Port Servers

- LAN-Attached Serial Port Expansion
- Optional Ethernet Hub
- Remote Monitoring
- IP Routing for Multi-Site Networks

System Corporation designs, develops and manufactures a family of network device servers for industrial and retail applications. The RCS/3000 is characterized by high reliability, superior software functionality, expanded hardware interfaces, and simplified remote installation. The RCS/3000 is targeted at users who need to manage, control, program, and share access with one to four peripheral devices over the LAN or Internet using standard protocols.

- **Software Selectable Serial Port Interface:** Easily change the physical interface of each System port to accept a peripheral with an RS-232, RS-422 or RS-485 interface.
- **TCP/IP Router with SLIP (Asynchronous Ports), Frame Relay (Synchronous Ports) and PPP (Both Async and Sync Ports) support:** Connect application to a remote network.
- **Optional Second 10Base-T Ethernet Hub Port:** Simplify cabling and support on additional clients; extend your network.
- **Web-Browser and Text-Based Interface:** Easily configure unit.
- **Bundled with NativeCOM Software:** Address LAN or WAN-based serial ports as if they are local COM ports.
- **Remote Configuration and Management:** Change parameters as new peripherals are added; diagnose peripheral problems over the Internet or WAN.
- **Programmable:** Create custom on-board applications or protocols; eliminate the need for expensive external equipment.

# SYSTECH INTEGRATED COMMUNICATION SERVERS

The RCS/3000 Series of Intelligent Ethernet Port Servers with an optional Ethernet hub provide LAN-attached serial port expansion, remote monitoring, and IP routing.

The RCS/3000 uses industry standard TCP/IP, SLIP, and PPP protocols to ensure open-systems connectivity and flexibility for your demanding applications. The RCS/3000 is bundled with Systech's industry-leading **NativeCOM** port redirection software, web browser interface, and remote diagnostics. NativeCOM simplifies installation and support, and makes any LAN-attached Systech serial port (whether local or remote) appear as local to your application.

Each RCS/3000 serial port is software selectable to RS-232, RS-422, or RS-485, saving you the cost and complexity of competitive solutions that offer a single physical interface.

For developers and OEMs with unique protocol conversion, monitoring or reporting needs, Systech's Developer's API is available to create custom added-value. For additional information, access Systech's on-line data sheet and documentation for the RCS/3000 product family.



## Model RCS-3182

2 serial ports (RS-232, RS-422, or RS-485 software selectable)

## Model RCS-3282

2 serial ports and a second ethernet hub port (RS-232, RS-422, or RS-485 software selectable)



## Model RCS-3184

4 serial ports (RS-232, RS-422, or RS-485 software selectable)

## Model RCS-3284

4 serial ports and a second ethernet hub port (RS-232, RS-422, or RS-485 software selectable)

## Specifications

### LAN Interface

10 Base-T, optional second 10 Base-T hub, 10 Mbit, Ethernet 802.3

**Protocol:** TCP/IP

### Peripheral / Device Communication

Peripheral Ports with DB-9 connectors support communication speeds up to 115.2K baud; software selectable RS-232, RS-422 or RS-485

**Protocol:** Telnet, Rtelnet, Rlogin, LPD, Raw TCP.

### Dial-up WAN Interface

DB-9 Peripheral Ports support external modem at speeds up to 115.2K baud; software selectable RS-232, RS-422 or RS-485

**Protocol:** TCP/IP Router, SLIP, PPP, Dial-on-Demand, Network Address Translation

### Host Communication

10BASE-T, 10Mbit, Ethernet 802.3

**Protocol:** IP Sockets; NativeCOM port redirector, Telnet, Rtelnet

### Security Protocols

CHAP, PAP, Radius, Password protected configuration

### Management and Diagnostics

SNMP MIB-II, Web-based interface, Remote/local diagnostics (to pin level)

### Power Supply

Internal 110/220V; Worldwide; Over-current protection

### Regulatory Approvals

UL, UL Canada, CE, FCC-A, CISPR 22, VCCI A, AS/NZ 3548

### Physical Dimensions

203 x 121 x 32 mm; 8 x 4.75 x 1.25 in.

### Temperature Range

Operating temperature 0° to 50° C

Storage temperature -10° to 70° C

Humidity range 10% to 90% non condensing

### Customization

Programmable

### Warranty

Systech provides a 5 year warranty

## Reliability

To ensure data reliability and data protection, NativeCOM software automatically recovers on power loss. Software and Configuration settings are saved in Flash Memory. Surge protection is provided on every port.



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