

ROCKETPORT

RM16-RJ45 RACK MOUNT INTERFACE

ROCKETPORT RM16-RJ45 FEATURES:

- Sixteen RJ45 connections
- 10' host cable
- Flexible – stackable or rackable
- Front or back mounting options
- One “U” thickness (1.74”) form factor
- LEDs for each port
- Device drivers for all major operating systems: (Novell®; Microsoft®; UNIX®; Linux; OS/2®; and QNX®).

ROCKETPORT RM16-RJ45 BENEFITS:

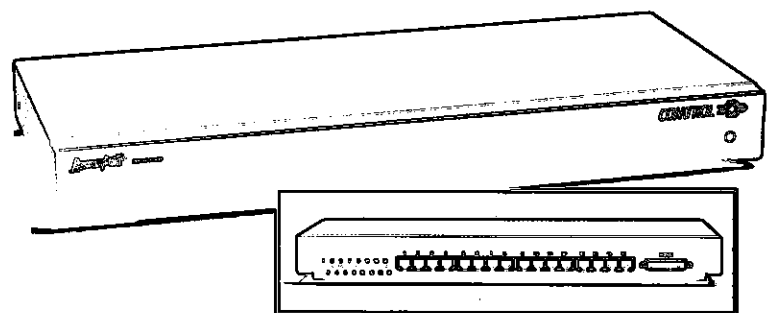
- Up to 128 RJ45 connections per system
- Easy access to any part of the rack
- Bi-directional mounting for user convenience
- Fits perfectly into a 19” rack
- Identify individual port activity at a glance
- Windows 95 and Windows NT drivers come with free “monitor” program.

The RocketPort RM16-RJ45 is a rack mountable I/O adapter box for the industry-leading RocketPort® serial communications controller. Combined with a RocketPort 16- or 32-port controller installed in an ISA, EISA, or PCI slot of a PC, the RocketPort RM16-RJ45 is an RS-232 interface with RJ45 connectors.

Geared specifically toward the remote access market, the RM16-RJ45 is designed to meet the needs of rack mounted modems, ISDN terminal adapters, and servers, providing dial-up Internet and remote LAN access connectivity.

The RocketPort RM16-RJ45 comes complete with sixteen RJ45 connections, a ten-foot host cable, and mounting brackets. The longer cable allows easy access to any part of the rack. The RocketPort RM16-RJ45 has one “U” thickness (about 1.74”) form factor to fit perfectly into a 19” rack where space comes at a premium. The design is flexible enough to allow several units to be stacked on a shelf, or it can be mounted directly to a rack.

For user convenience, the RM16-RJ45 may be mounted in either direction, allowing the connection to be made in the front or the back of the rack. The data transfer indicator LEDs are located next to the connectors for identifying port activity at a glance.



RACK MOUNT MULTIPOINT INTERFACE

The drivers for RocketPort support all major operating systems, including: Microsoft Windows 3.1, WFWG 3.11, Windows NT (3.51 and 4.0), and Windows 95; Novell NetWare® 3.12, 4.0 and 4.11 (NetWare Connect 2.0, NetWare MPR, IntraNetWare, and NetWare ConnectView); SCO™ UNIX; SCO OpenServer; SCO XENIX®; Linux; IBM® OS/2®; AT&T® UNIX; SVR3.2 UNIX; SVR4 UNIX (SVR4.2 and UnixWare 1.X); QNX 4.X; BSDI; UnixWare™ 2.X; Fossil; Solaris; and DOS.

In addition, the RocketPort drivers for the Windows NT and Windows 95 operating systems come equipped with RKTMON, a monitor program, free of charge. RKTMON enables the system administrator to statistically view ports, detect errors, and measure activity levels on each port. Control Corporation's monitor program for 32-bit Windows operating systems and its operability with Novell NetWare ConnectView are examples of the company's commitment to meeting the remote access connectivity needs of systems administrators.

The Control RocketPort family of serial boards revolutionize multipoint connectivity, making them more powerful, more reliable, easier to use, and more cost-effective than any other controller available on the market today. With a RocketPort multipoint serial card installed for use with the RM16-RJ45 interface, host CPU utilization is minimized, allowing more system resource availability for running existing software applications.

Its industry-leading performance of up to 230.4 Kbps full duplex across 32 ports simultaneously is the result of the controller's unique design features including:

- Dedicated on-board 36 MHz processors – one per every eight ports – to ensure consistent application of power to each port
- I/O mapping to eliminate memory conflicts
- The use of proprietary ASICs to yield the most reliable serial I/O performance

For more information on the RocketPort multipoint serial communications product line, contact the Control sales department.

SPECIFICATIONS

ROCKETPORT RM16-RJ45		
NUMBER OF PORTS	16	
BAUD RATE	50 to 230.4 KB	
DIMENSIONS	16.75"W x 1.74"H x 8"D (without rack mounting brackets)	
CONDITIONS		
Air Temperature:	System On: 0 to 70 C System Off: -65 to 150 C	
Altitude:	0 to 10,000 feet	
Humidity (non-condensing):	System On: 8% to 80% System Off: 20% to 80%	
RS-232 SIGNALS	PIN:	SIGNAL:
	1	RTS
	2	DTR
	3	GND
	4	TxD
	5	RxD
	6	DCD
	7	DSR
	8	CTS
LED INDICATORS	1 Power, 16 TxD/RxD	



Aren't All Serial Boards The Same?

This is a common question that can be answered in one word.....**NO!**

What Makes RocketPort Different and Why is it Important?

No Shared Memory

Most serial boards use shared or dual port memory. When you install these conventional boards you assign a memory area that will be used exclusively by the board. This can cause conflicts with other hardware and software products. And, if you need to use multiple boards, this can be almost impossible.

RocketPort is I/O mapped to avoid these types of memory conflicts which makes installation and configuration easy. And, if you need to use multiple boards...no problem for RocketPort!

Fully Integrated ASICs

Other serial boards use countless components to accomplish their tasks. Each of these many components and their mounting on the board gives you an increased risk of failure.

RocketPort is the only multiport serial board with fully integrated ASICs (Application Specific Integrated Circuits). These ASICs were designed by Control to serve the function of hundreds of components. Integration not only reduces the component count by 80%, but also reduces RocketPort's power consumption considerably. The result is the most reliable serial board available.

Larger Transmit and Receive FIFO's

Most serial boards have very small FIFO's or buffers used for transmitting and receiving data. With small buffers, the board has to 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 board's overall performance.

RocketPort uses transmit FIFOs 16 times larger, and receive FIFOs 64 times larger the multiport boards designed with 16550 UARTs. This virtually eliminates bottlenecks at the serial controller level while conserving CPU resources.

Overall Performance

The ASIC design and larger FIFOs, combined with a 36 MHz processor for each eight ports gives RocketPort the power to sustain throughput at speeds up to 460.8 Kbps at each port - whether servicing 4 or 32 ports. That's over ten times the throughput for a much lower price than most conventional multiport serial boards.

***Control - The Performance Leader in
Serial Port Connectivity***