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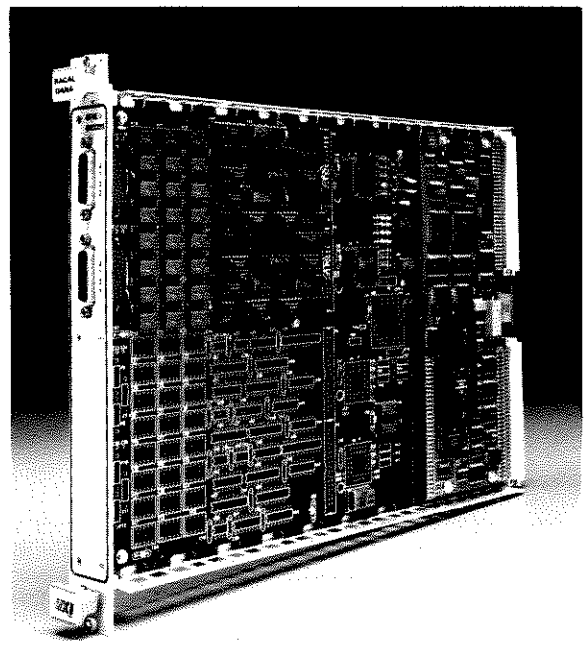
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Racal Instruments

SERIAL INTERFACE MODULE MODEL 6065/6065P

VXI bus

- **Up to Eight Serial Interface Channels**
- **Configurable as RS-232, RS-422, RS-423 or RS-485**
- **128k/512kBytes of Memory Allocatable to Input and Output Buffers**
- **Standard Baud Rates Selectable up to 38.4k Baud**
- **Ideal for Interfacing the VXIbus to Other Peripherals**
- **Easy Software Control**
- **6065P Provides Software Programmable Data Rate**



Re-configurable Serial Interfaces
The Racal Instruments 6065 is available as either an eight channel or four channel module. Each individual channel can be configured, under software control, to be an RS-232, RS-422, RS-423 or RS-485 interface. Any combination of interface standards can be user configured on the same card without opening the unit.

The ability to have Request to Send (RTS)/Clear to Send (CTS) hardware handshaking is also available for faster data communications. RTS/CTS is activated under program control. Data Terminal Ready (DTR)/Data Set Ready (DSR) control lines are also provided.

In addition, each individual channel can be looped back on itself at the line driver/receiver level under program control in order to perform a full self test of the Model 6065.

Easy Software Control
The Model 6065 is a high performance, message-based module that can accommodate transmitting and receiving on all eight channels simultaneously.

All of the key protocol parameters (baud rate, word length, parity checking, and handshaking), are software programmable on each of the eight channels. These configurations can then be stored in non-volatile memory for added flexibility and ease of setup. Device dependent commands meet the Standard Commands for Programmable Instruments (SCPI) specifications.

Flexible Memory Eases Data Throughput
128kBytes of transmit and receive memory (512kBytes option) are user allocatable among the eight channels, allowing complete flexibility for all interface applications. These buffers can be loaded under program control in either a repetitive loop mode controlled by an internal timer or burst mode.

Each buffer is supported by a programmable threshold which can be set to any level within the buffer.

6065/6065P SPECIFICATIONS

Buffer Size
128k or 512kBytes input and/or output

Serial Port
Baud Rate
300, 600, 1200, 2400, 4800, 9600, 19200, 38400
Data Length
5, 6, 7, 8
Receive Jitter Tolerance
4.5%
Parity
None, odd, even and mark or space
Stop Bits
1,2
Handshaking
Software: X ON/X OFF
Hardware: DSR and CTS for output pacing

Power Requirements (I_{pm})
+5 V: 2 A
±12 V: 100 mA
±24 V: 200 mA
Weight
2.20 lb (1kg)
Dimensions
C-size, Single-slot VXIbus Module
VXIbus
Message-based Revision 1.4 compatible

ORDERING INFORMATION		
Model	**Description**	**Part Number**
6065-4	4-Channel Serial Interface Module	70-006-000
6065-8	8-Channel Serial Interface Module	70-0036-001
6065-4 w/512kB	4-Channel Serial Interface Module w/ 512kB	70-0036-003
6065-8 w/ 512kB	8-Channel Serial Interface Module w/ 512kB	70-0036-004
6065P-4	4-Channel Serial Interface with Programmable Data Rate	70-0036-007
6065P	8-Channel Serial Interface with Programmable Data Rate	70-0036-008
980728	Instruction Manual	980728

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