

PC-202

1200 bps Private Line Modem

Highlights:

- *Leading-edge design technology, ensuring easy installation and operation*
- *Simple options selection without any complicated programming*
- *Custom VLSI technology yields superior performance and reliability*

Overview The PC-202 modem card is designed for use in a PC ISA card slot and will be detected by the system as a simple "COM PORT" module. The PC-202 card can be configured through dip jumpers to respond to COM1, COM2, COM3, and COM4, as well as generating interrupts on IRQ 3, 4, 5, 7, 9 and 10. The card also has the circuitry to generate a unique 48 bits serial number.

Description General DataComm's PC-202 modem combines the functionality of Bell-compatible, 1200 bps private line communications with a practical, low profile design that fits into any PC supporting ISA standards. Using state-of-the-art technology, we can now bring you a compact, efficient modem that is both economical to own and simple to operate.

Superior Performance The PC-202 is the perfect choice of asynchronous transmission in both point-to-point and multipoint applications. Custom Very Large Scale Integration (VLSI) provides advanced features while maintaining the best price performance available.

Optimum data throughput is ensured by a sophisticated compromise equalizer, for immunity to impairments normally encountered with unconditioned voice grade facilities. And the anti-streaming timer protects against the potential disruption caused by faulty, "streaming" terminals.



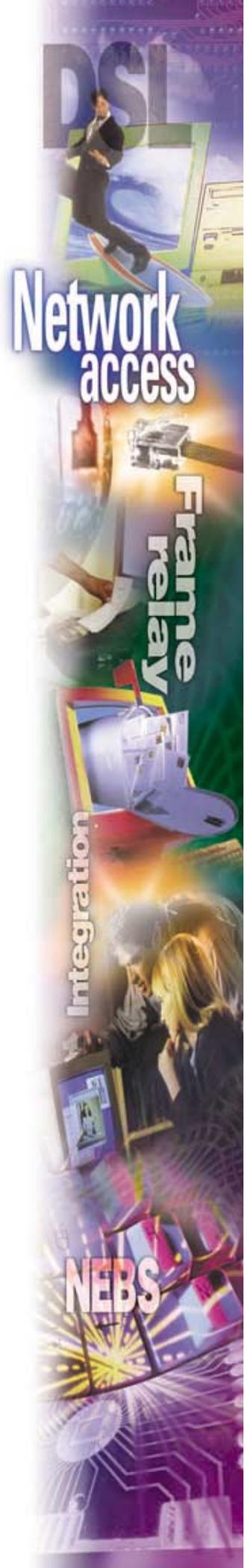
Easy to Use Simple installation, setup and use were primary considerations behind the design of the PC-202. So installation is fast and uncomplicated. In addition, GDC's experience ensures the modem meets operating requirements for the widest range of applications without difficult programming procedures.

The PC-202 options are set using a jumper bank to simplify configuration. Bringing up a network can be difficult, GDC simplified matters.

Powerful Diagnostics A comprehensive array of diagnostic test on the PC-202 provides accurate detection of system faults and helps to quickly restore service.

All tests can be initiated from a diagnostic selection register, which can be controlled by your terminal software.

Modification Requests General DataComm will gladly accommodate any modification request of the PC-202 to meet specific communication needs, such as lottery terminals, Point-of-Sale and alarm monitoring. Modification costs and delivery schedule are submitted for review and approval.



PC-202

Specifications

DATA FORMAT

0 - 1200 bps, unconditioned

SERVICE COMPATIBILITY

Private Line 3002 with optional C2 for 1800 bps

OPERATING MODE

Half or full duplex, 4-wire private line (Bell 202T compatible)

OPERATING FORMAT

Asynchronous, binary, serial

LINE IMPEDANCE

600 Ohms/RJ-45 connector, 8 pins

TRANSMITTER OUTPUT LEVEL

Adjustable, 0 to -12 dBm, in 4 dB steps

CARRIER DETECT ACQUISITION

Assured with a receive level at or above -24 dBm

CARRIER DETECT RELEASE

Assured with a receive level at or below -30 dBm

EQUALIZATION

Compromise (Receiver)

MODULATION

"Frequency shift keying", FSK

"MARK" FREQUENCY

1200 Hz

"SPACE" FREQUENCY

2200 Hz

LEDS

TX, RX, RTS, CTS, DCD, ERR, TM, RAL

DIAGNOSTICS

Local Analog Loopback, Remote Analog Loopback, and Local Digital Loopback

SOFT TRANSMIT CARRIER TURNOFF

8.5 ±1 msec

RTS/CTS DELAY

7, 9, 10, 13 msec

POWER REQUIREMENTS

5 V, 12 V, -12 V

PHYSICAL CHARACTERISTICS

Height:	5 inches
Width:	9 inches
Depth:	.75 inches

REGULATORY

UL/cUL-1950; FCC Part 15, Class A

INTERFERENCE PROTECTION

Verified to comply with FCC Part 15, Class A requirements

POWER DISSIPATION

2 W

ANTISTREAM

55 sec

PART NUMBER

053ACDN-202

World Headquarters

Middlebury, Connecticut USA 06762-1299 • Tel: 1-203-574-1118 • Fax: 1-203-758-9468 • 1-203-758-9518 (GDC International) • www.gdc.com

Network Access Division

To locate the Network Access representative or Distributor nearest you, call: 800-523-1737 • For 24-hour delivery, call 1-800-435-8064 • www.gdc.com/connections

U.S. Government Sales Tel: 703-658-4052 Fax: 703-658-4058

Subsidiaries

Canada Tel: 905-415-0705 Fax: 905-415-9316 • France Tel: 33-1-47-62-62-00 Fax: 33-1-47-62-96-96 • Japan Tel: 81-3-5473-7890 Fax: 81-3-5473-7895
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International Regional Offices

Asia Singapore Tel: 65-735-2123 Fax: 65-735-6889 Hong Kong Tel: 852-2526-5511 Fax: 852-2525-9944 China Tel: 86-10-6621-1815 Fax: 86-10-6621-1814

Canada Calgary Tel: 403-730-8880 Montreal Tel: 514-336-5454 Fax: 514-335-2160 Ottawa Tel: 613-234-4005 Fax: 613-234-4685

Vancouver Tel: 604-430-5772 Fax 604-435-8181

Europe/Middle East/Africa Austria Tel: 43-1-599-99-675 Fax: 43-1-599-99-678 Belgium Tel: 32-2-529-5848 Fax: 32-2-529-5911

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