Network Access Division

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.
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