DATA COMM FOR BUSINESS

202T FSK 1200 bps Modem

DESCRIPTION

The 202T modem operates at 0 to1200 bps asynchronous, with FSK modulation, 2-wire or 4-wire over non-switched dedicated lines.   It uses the latest DSP modem circuitry to insure excellent performance and future availability. It has 900 hz soft carrier turn off for multidrop and an anti-streaming option.   7.25" half card size, standalone and custom OEM board configurations are available. The pc card uses the internal PC ISA bus only for power from the pc bus. The PC card fits into a 20 slot rack mount chassis that is only 7" high. The phone line connector is an RJ-11 for 4-wire leased line operation. Transmit is on positions 2 and 3, receive 1 and 4 of the 4 position RJ-11connector.   The modem has a push/push switch for local digital loop on or off. The loopback switch is located on the rear of the unit, next to the DB-25 terminal connector.

FEATURES

- Full duplex to 1200 bps
- Asynchronous RS232
- 4-wire full duplex private line
- 2-wire half duplex private line
- 900 Hz soft carrier turn off
- Anti-streaming
- Standalone or rackmount
- PC card rack model (PC supplies power an and ground only)
- High stability transmit and receive frequency
- Ruggedized for full temp operation, -40 to +70C
- Fully compatible with other 202T modems
- 120, 220 VAC, 12, 24 and 48 VDC options

SPECIFICATIONS

General
Modem

Analog half or full duplex, 2-wire or 4-wire, 600 ohm balanced
Frequency Shift Keying:
  Mark-1200 hertz, Space-2200 hertz, Speed 0 to 1200 bps
  900 Hertz Soft Carrier Turn Off for multidrop operation
Transmit level control 0 dBm or -16 dBm
Will drive up to 30 Km of cable depending upon wire gauge
Switched carrier or constant carrier operation (RTS forced on or terminal controlled)

Digital Interface

RS-232, DB-25S
Signals are Tx, Rx, RTS, CTS, DSR, DCD
RTS/CTS delay is 12 or 20 ms in switched carrier mode or RTS can be forced on
Rx data is clamped to mark when no receive carrier detect is present.
202T Modem - FSK Analog Modem, Async

Controls and Indicators
Power, Tx Data, Rx Data, RTS, CTS, DCD, Test

Digital loop via rear panel switch and front DIP switch
Controlled carrier (with RTS/CTS delay) or constant carrier with RTS/CTS on
Anti-streaming option (8 seconds), Loopback or normal operation
Transmit level - 0 db or -16db, 900 Hz Soft Carrier turn off On or Off

Power, Line, Alarm, Wan Up/Down, LAN Link/Act, 10/100

OPTION SWITCH SETTINGS

Switch	DOWN	UP
1 – Reset	Off	Toggle up/down
2 – Anti-streaming	Off	On
3 – RTS/CTS delay	12 ms	20 ms
4 – RTS control	Forced on	Controlled by Terminal
5 – Soft Carrier Turnoff	Off	On
6 – 2-Wire	Off	On
7 – Transmit Level	-16 dB	0 dB
8 – Loopback	Looback Active	Off

Physical/Electrical
PC ISA bus format or standalone version,

PC bus for power and ground only, standalone unit uses 110V wall mount supply
Half size PC card, 7.25"D x 4.25"H
Stand alone: 5.5" W x 7.375"D x 1.5" high, 110VAC wall mount supply (9VDC, 500 ma)
 Other DC power supply voltages, 12, 24, -48, 125 VDC, available on special order
A 1.5" x 19" fixture available to rackmount up to 3 standalones in a single 1U height
20 slot rack chassis on slide guides is 19"W x 16"D x 7"H, 110VAC 250 W power supply
Approximately two pounds

Environmental
- Operational Temperature: -40 to +75 C
- Storage Temperature: -50 to +75 C
- Humidity: <95% Non-condensing

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