



DFM-580E

56K Rockwell external Data/Fax/Voice modem

Specifications

Data Mode

- *ITU-T V.90 and K56flex Auto-Detect
- *56Kbps capable download speed from Internet Service Provider supporting 56K Flex.
- *Speed: 56000/ 33600/ 31200/ 28800/ 26400/ 24000/ 19200/ 16800/ 14400/ 12000/ 9600/ 7200/ 4800/ 2400/ 1200/ 300/ 75bps, throughput up to 115200bps
- *Compatibility: V.34, V.32bis, V.22bis, V.22A/B, V.23 and V2.1; Bell 212A and 103 Industry Standard AT command set.
- *V.42 LAPM, MNP 2-4 error correction.
- *V.42bis and MNP 5 data compression.
- *NVRAM directory and stored profiles.
- *Built in DTE interfaces:
 - Parallel 16550A UART-compatible interface.
 - Serial ITU-T V.42 (EIA/TIA-232-E)
- *Caller ID and distinction ring detect.
- *V.80 and Rockwell Video Synchronous access modes support host based communication protocol.

Fax Mode

- *Speed: 28800/14400/ 12000/ 9600/ 7200/ 4800/ 400bps.
- *Compatibility: ITU-T V.17, V.29, V.27 ter and V.21 channel2.
- *Group 3 Fax Send and Receive.
- *EIA Class 1 and 2 command set.
- *Fax on demand and retrieval.

Voice

- *Tone detection/ generation and call discrimination.
- *Concurrent DTF detection.
- *8-bit monophonic audio data encoding at 11,025KHz or 7200KHz.
- *Enhanced 2-bits or 4-bits per sample ADPCM coding and decoding at 7200Hz.
- *Supports digital telephone answering machine, voice annotation and audio recording playback applications.
- *Voice view alternating voice and data (option).
- *Multiple voice mail boxes.

AUDIO SPAN/SAVD/SP.

- IUT-T V.61 modulation (4.8Kbps data plus audio), handset or headset half duplex speakerphone.
- *ML 144 modulation.
- *ML 288 modulation.
- *Full duplex speakerphone (FDSP) mode
 - Acoustic and line echo cancellation.
 - Microphone gain and muting.
- Speaker volume control and muting.

D.S.V.D.

- *ITU-T V.70 DSVD using the RCDSVD SCP.
- *ITU-T interoperable G.729 Annex B.
- *SIG Digi Talk DSVD.
- *Voice / Silence detection and handset echo cancellation.
- *Robust DSVD timing recovery.
- *Handset, headset, or half-duplex speakerphone.

High speed external/internal Data/Fax/voice modem

