Breaking the 640K DOS Barrier:

New version of Alys PC AT Ada* compiler improves speed, adds application developer’s guide, brings seven 80286 machines to latest validation status.

Alys’ landmark Ada compiler for the PC AT, the first to bring Ada to popular-priced microcomputers, has been upgraded to Version 1.2 with significant improvements.

The new version compiles faster than its predecessor, is validated for a full range of popular compatibles using the latest AJPO test suite 1.7, and includes a Developer’s Guide in the documentation set. The price remains at $2,995 for single units, including a 4 megabyte RAM board.

Both the original and the newly upgraded versions utilize the inherent capabilities of the 80286 chip and “virtual mode” to eliminate the 640K limitations of DOS. These techniques permit addressing up to 16 MB of memory, under the control of DOS, without changes to DOS in any way!

80286 machines validated in the new release include HP’s Vectra, Compaq’s Deskpro 286, Sperry’s PC/IT, Zenith’s 200 series (including the Z-248), Tandy’s 3000 HD, the Goupil/40, and the IBM PC AT. The compiler supports DOS 3.0 or higher. Ada programs compiled on the AT will also run on PCs and XTs supporting DOS 2.1 or higher.

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