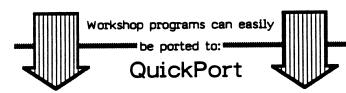
Development Environments on the 💯 📆

Lisa Workshop

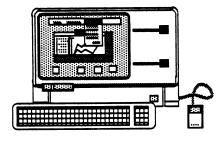
- Pascal, BASIC-Plus, High Level COBOL are available now.
- Extended Fortran 77 & C are planned for future, will have QuickDraw, speaker, mouse access



- Advanced, window based editor provided.
- Other utilities provided for quicker development times.

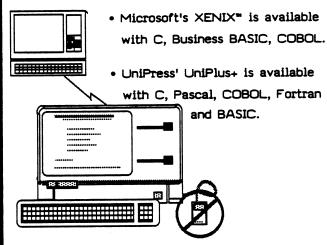


- Actually shipped with each Workshop language shown above.
- A set of libraries is compiled and linked with the final Workshop program – the process takes only a few minutes!



- Icon Editor for customization of icons
- QuickPort is a quick, <u>easy</u> way for porting applications into the Desktop environment.

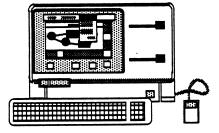
UNIX™ on the Lisa



- A powerful, cost-effective system for implementation of UNIX.
- Full development tools available.

LisaPort

- Programs actually developed in Workshop using Clascal, an object-oriented language.
- Requires a rewrite if application already written – underlying algorithm may be retained



- Icon Editor for customization of icons
- LisaPort is initially more complicated than "vanilla" programs, but preliminary reports prove it to be a highly productive tool for creating revolutionary applications.

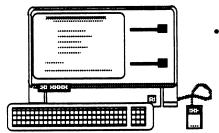
Source: David T Craig Page 0001 of 0002

Operating Environments on the 440 T

Lisa Workshop

(available now)

- Program takes over the machine
- Screen is like 24x80 terminal
- Program input from mouse available with Pascal



 Graphics with QuickDraw and speaker control available with Pascal

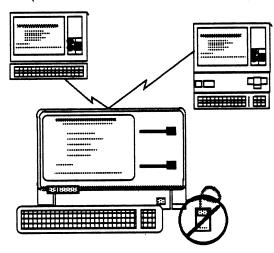
MC68000: faster execution

• 1MB RAM: larger capacity

• 5MB Winchester: faster access

UNIX™ on the Lisa

(XENIX or UniPlus+ available now)



- Screen is like a 24x80 terminal
- Allows for single- or multi-user applications
- A low-cost UNIX implementation
- Large capacity Winchester soon to be available

QuickPort

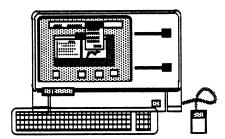
(available Spring, 1984)

Lisa Desktop Environment

LisaPort

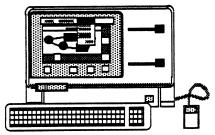
(Pre-release available Nov.)

- Standard menus for opening, closing, "setup"
- Scrolling and resizing the window available
- Text "pane" operates as an 80x24+ terminal
- Graphics "pane" available for QuickDraw output
- Graphics "pane" may be copied into LisaDraw
- · Mouse used only to copy and paste text



 QuickPort allows any program developed in the Workshop to run on the Desktop with <u>limited</u> integration and menu functions

- Mouse and menus may be used by the LisaPort application (e.g. creating graphics)
- Lisa text fonts and printing handled automatically from the menu bar
- Full data integration with other LisaPort applications



• LisaPort brings to the developer the <u>full</u> power and integration of the Lisa system

Source: David T Craig Page 0002 of 0002