

C O N F I D E N T I A L

PDP-X Technical Memorandum # 10

Title: Progress 7-17-67 (Architecture)

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Index Keys: Architecture
Progress

Distribution
Key: C

Obsolete: None

Revision: None

Date: July 17, 1967

The following areas have been completed and documented:

1. A uniform documentation system has been established for PDP-X (index attached) as described in PDP-X Technical Memorandum # 1.
2. The basic system architecture has been completed. This is contained in Technical Memorandum # 6.
3. The processor structure has been defined including:
 - a. Central Processor organization.
 - b. Basic instructions set.
 - c. Priority interrupt system.

These are described in "PDP-X Processor Description."

4. The basic IO structure has been completed including:
 - a. IO Bus
 - b. Teletype Input and Output
 - c. Paper Tape Reader and Punch
 - d. Light Duty Card Reader
 - e. Small XY Display
 - f. Interprocessor Buffer.

These are described in "PDP-X Processor Description" and in the various Technical Memorandum.

This design incorporates suggestions from many of our better customers and has been reviewed by key in-plant personnel, Gordon Bell and Ivan Sutherland.

5. The following areas remain to be completed:

- a. Protection
- b. Detailed Model Specifications
- c. Memory Bus
- d. Multiprocessor Communication
- e. Major Peripheral Controller Structure
- f. Simulator.

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