

Digital Equipment Corporation
Maynard, Massachusetts

digital

DIFF #2

Maintenance Manual
PDP-8/I
Volume I

PDP-8/I

MAINTENANCE MANUAL
VOLUME I

1st Printing October 1968
2nd Printing March 1968
3rd Printing May 1969
4th Printing July 1969

Copyright © 1968, 1969 by Digital Equipment Corporation

Instruction times, operating speeds and the like are included in this manual for reference only; they are not to be taken as specifications.

The following are registered trademarks of Digital Equipment Corporation, Maynard, Massachusetts:

DEC
FLIP CHIP
DIGITAL

PDP
FOCAL
COMPUTER LAB

CONTENTS

Page

CHAPTER 1 INTRODUCTION AND DESCRIPTION

1.1	Introduction	1-1
1.2	Description	1-1
1.3	Pertinent Documents	1-2
1.4	Abbreviations	1-2

CHAPTER 2 INSTALLATION

2.1	Space Requirements	2-1
2.2	Environmental Requirements	2-2
2.3	Power Requirements	2-2
2.4	Cable Requirements	2-6
2.5	Installation Procedure	2-6
2.6	Internal Option Installation	2-8
2.7	System Configurations	2-8
2.8	I/O Interface	2-8
2.8.1	I/O Bus Signal	2-8
2.8.2	I/O Cables	2-8
2.8.3	Logic Levels and Level Converters	2-8
2.8.4	Interface Signal Connections	2-9

CHAPTER 3 OPERATION

3.1	Controls and Indicators	3-1
3.1.1	Computer	3-1
3.1.2	Teletype	3-6
3.2	Operating Procedures	3-6
3.2.1	Common Procedures	3-6
3.2.2	Manual Loading Procedures	3-6
3.2.3	Teletype Loading Procedures	3-6
3.2.4	Off-Line Teletype Procedures	3-8