



TOSHIBA TEC Bar Code Printer

B-472-QQ/QP

External Equipment Interface Specification

First Edition:	November 6, 1998
Second Edition:	January 6, 1999
Third Edition:	July 16, 1999
Fourth Edition:	October 26, 1999
Fifth Edition:	March , 2000
First Edition:	April 23, 1993
Second Edition:	January 13, 1994
Third Edition:	March 11, 1994
Fourth Edition:	July 13, 1994
Fifth Edition:	October 28, 1994
Sixth Edition:	December 1, 1994
Seventh Edition:	January 14, 1995
Eighth Edition:	April 16, 1996
Ninth Edition:	February 15, 1997
Tenth Edition:	December 15, 1997
Eleventh Edition:	July 27, 1998
Twelfth Edition:	March 31, 2000

TOSHIBA TEC CORPORATION

TABLE OF CONTENTS

	Page
1. SCOPE.....	1
2. GENERAL DESCRIPTION	1
3. INTERFACE.....	2
3.1 SERIAL INTERFACE	2
3.2 PARALLEL INTERFACE.....	7
4. KEY OPERATION FUNCTIONS	12
4.1 DIP SW FUNCTIONS	12
4.2 SYSTEM MODE FUNCTIONS.....	13
4.3 ONLINE MODE FUNCTIONS.....	15
5. TRANSMISSION SEQUENCE.....	16
5.1 INITIALIZATION.....	16
5.2 LABEL ISSUE OPERATION.....	19
6. INTERFACE COMMANDS	21
6.1 OUTLINE OF COMMANDS	21
6.2 LIST OF COMMANDS	22
6.3 LABEL SIZE SET COMMAND	23
6.4 POSITION FINE ADJUST COMMAND.....	26
6.5 PRINT DENSITY FINE ADJUST COMMAND.....	32
6.6 RIBBON MOTOR DRIVE VOLTAGE FINE ADJUST COMMAND.....	33
6.7 IMAGE BUFFER CLEAR COMMAND	34
6.8 CLEAR AREA COMMAND.....	35
6.9 LINE FORMAT COMMAND	37
6.10 BIT MAP FONT FORMAT COMMAND.....	41
6.11 OUTLINE FONT FORMAT COMMAND	53
6.12 BAR CODE FORMAT COMMAND	64
6.13 BIT MAP FONT DATA COMMAND	97
6.14 OUTLINE FONT DATA COMMAND	100
6.15 BAR CODE DATA COMMAND.....	103
6.16 ISSUE COMMAND.....	117
6.17 FEED COMMAND.....	129
6.18 EJECT COMMAND.....	134
6.19 FORWARD/REVERSE FEED COMMAND.....	135
6.20 FORMAT COMMAND	137
6.21 BIT MAP WRITABLE CHARACTER COMMAND.....	138
6.22 GRAPHIC COMMAND.....	142
6.23 SAVE START COMMAND.....	149
6.24 SAVE TERMINATE COMMAND.....	150
6.25 SAVED DATA CALL COMMAND	151

	Page
6.26 MESSAGE DISPLAY COMMAND	152
6.27 RESET COMMAND	154
6.28 STATUS REQUEST COMMAND.....	155
7. CONTROL CODE SELECTION	156
8. ERROR PROCESSING	157
8.1 COMMUNICATION ERRORS.....	157
8.2 ERRORS IN ISSUING OR FEEDING	157
8.3 ERRORS IN WRITABLE CHARACTER AND PC COMMAND ENTRY MODES	159
8.4 SYSTEM ERRORS	159
8.5 RESET PROCESSING	159
9. STATUS RESPONSE.....	160
9.1 SERIAL INTERFACE	160
9.1.1 Functions.....	160
9.1.2 Status Format	160
9.1.3 Detail Status.....	161
9.2 PARALLEL INTERFACE.....	162
10. LCD MESSAGES AND LED INDICATIONS	163
11. LCD MESSAGES IN DIFFERENT LANGUAGES.....	165
12. CHARACTER CODE TABLE	167
12.1 TIMES ROMAN, HELVETICA, LETTER GOTHIC, PRESTIGE ELITE, COURIER, OUTLINE FONT.....	167
12.2 PRESENTATION	168
12.3 OCR-A.....	168
12.4 OCR-B.....	169
12.5 OUTLINE FONT.....	170
13. BAR CODE TABLE	171
14. DRAWING OF BAR CODE DATA.....	182
15. AUTOMATIC ADDING OF START/STOP CODE	203
16. OPERATION-CONFIRMED FLASH MEMORY CARDS.....	205

This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

[https://the-checkout-tech.com/manuals/TEC/B-472 Interface Specification manual.html](https://the-checkout-tech.com/manuals/TEC/B-472%20Interface%20Specification%20manual.html)

And our free Online Keysheet maker:

<https://the-checkout-tech.com/Cash-Register-Keysheet-Creator/>

[HTTPS://THE-CHECKOUT-TECH.COM](https://the-checkout-tech.com)