



TOSHIBA TEC Bar Code Printer

**B-482-QQ/QP, B-882-QQ/QP, B-682-QQ/QP**

**External Equipment Interface Specification**

First Edition: June 25, 1999  
Second Edition: July 28, 1999  
Third Edition: October 26, 1999  
Fourth Edition: March 21, 2000

**TOSHIBA TEC CORPORATION**

# TABLE OF CONTENTS

	Page
<b>1. SCOPE.....</b>	<b>1</b>
<b>2. GENERAL DESCRIPTION .....</b>	<b>1</b>
<b>3. INTERFACE.....</b>	<b>2</b>
3.1 SERIAL INTERFACE .....	2
3.2 PARALLEL INTERFACE.....	7
3.3 NETWORK ITNERFACE .....	13
<b>4. KEY OPERATION FUNCTIONS .....</b>	<b>14</b>
4.1 SYSTEM MODE FUNCTIONS.....	14
4.2 ON-LINE MODE FUNCTIONS.....	18
4.3 DOWNLOAD MODE SETTING FUNCTION.....	18
<b>5. TRANSMISSION SEQUENCE.....</b>	<b>19</b>
5.1 INITIALIZATION.....	19
5.2 LABEL ISSUE OPERATION .....	21
<b>6. INTERFACE COMMANDS .....</b>	<b>23</b>
6.1 OUTLINE OF COMMANDS .....	23
6.2 LIST OF COMMANDS .....	24
6.3 LABEL SIZE SET COMMAND .....	25
6.4 POSITION FINE ADJUST COMMAND.....	30
6.5 PRINT DENSITY FINE ADJUST COMMAND.....	36
6.6 RIBBON MOTOR DRIVE VOLTAGE FINE ADJUST COMMAND.....	37
6.7 IMAGE BUFFER CLEAR COMMAND .....	38
6.8 CLEAR AREA COMMAND.....	39
6.9 LINE FORMAT COMMAND .....	41
6.10 BIT MAP FONT FORMAT COMMAND.....	45
6.11 OUTLINE FONT FORMAT COMMAND .....	58
6.12 BAR CODE FORMAT COMMAND .....	75
6.13 BIT MAP FONT DATA COMMAND .....	108
6.14 OUTLINE FONT DATA COMMAND .....	111
6.15 BAR CODE DATA COMMAND.....	114
6.16 ISSUE COMMAND.....	127
6.17 FEED COMMAND.....	141
6.18 EJECT COMMAND.....	147
6.19 FORWARD/REVERSE FEED COMMAND.....	148
6.20 STORAGE AREA ALLOCATE COMMAND .....	150
6.21 MEMORY CARD FORMAT COMMAND.....	152
6.22 2-BYTE WRITABLE CHARACTER CODE RANGE COMMAND .....	153
6.23 BIT MAP WRITABLE CHARACTER COMMAND.....	154
6.24 GRAPHIC COMMAND.....	165

	Page
6.25 SAVE START COMMAND.....	173
6.26 SAVE TERMINATE COMMAND.....	175
6.27 SAVED DATA CALL COMMAND .....	176
6.28 HEAD BROKEN DOTS CHECK COMMAND .....	177
6.29 MESSAGE DISPLAY COMMAND .....	178
6.30 RESET COMMAND .....	180
6.31 STATUS REQUEST COMMAND.....	181
6.32 VERSION INFORMATION ACQUIRE COMMAND .....	182
6.33 ATA CARD INFORMATION ACQUIRE COMMAND .....	183
6.34 ATA CARD WRITABLE CHARACTER INFORMATION ACQUIRE COMMAND .....	185
6.35 IP ADDRESS SET COMMAND .....	186
<b>7. CONTROL CODE SELECTION .....</b>	<b>187</b>
<b>8. ERROR PROCESSING .....</b>	<b>188</b>
8.1 COMMUNICATION ERRORS.....	188
8.2 ERRORS IN ISSUING OR FEEDING .....	188
8.3 ERRORS IN WRITABLE CHARACTER AND PC COMMAND ENTRY MODES .....	191
8.4 SYSTEM ERRORS .....	191
8.5 RESET PROCESSING .....	191
<b>9. STATUS RESPONSE .....</b>	<b>192</b>
9.1 SERIAL INTERFACE .....	192
9.1.1 Functions.....	192
9.1.2 Status Format .....	192
9.1.3 Detail Status.....	193
9.2 PARALLEL INTERFACE.....	195
<b>10. LCD MESSAGES AND LED INDICATIONS .....</b>	<b>197</b>
<b>11. LCD MESSAGES IN DIFFERENT LANGUAGES.....</b>	<b>200</b>
<b>12. CHARACTER CODE TABLE .....</b>	<b>204</b>
12.1 TIMES ROMAN, HELVETICA, LETTER GOTHIC, PRESTIGE ELITE, COURIER.....	204
12.2 PRESENTATION .....	211
12.3 OCR-A.....	215
12.4 OCR-B.....	219
12.5 TEC OUTLINE FONT 1 .....	222
12.6 PRICE FONT 1, 2, 3 .....	229
12.7 TEC OUTLINE FONT 2, 3 .....	230
12.8 TrueType FONT .....	237

	Page
13. BAR CODE TABLE .....	244
14. DRAWING OF BAR CODE DATA.....	257
15. AUTOMATIC ADDING OF START/STOP CODE .....	278

[Click here to download the full manual at THE-CHECKOUT-TECH.COM](http://THE-CHECKOUT-TECH.COM)