



INDEX	
1. FEATURES	3
2. GENERAL SPECIFICATIONS	4
3. UNPACKING AND CHECKING THE PARTS	5
4. INTERFACE	6
4.1 Specifications	6
4.2 The communication flow	6
4.4 Interface connector (On the buttom of the base section).	7
4.5 POWER SUPPLY CONNECTORS	7
4.6 RS232C LINK TO PC/HOST CONNECTOR (CN5)	8
4.7 RS232C LINK TO PRINTER CONNECTOR (CN3)	8
4.8 KS252C LINK TO DISPLAY PANNEL (CIN4)	0
5. DIP SWITCH SETTING	9
5.1 Command type selection	9
5.2 BAUD RATE SELECTION	9
5.3 PARITY CHECK SELECTION	9
5.4 INTERNATIONAL CHARACTER SET SELECTION	10
5.5 Self-test & demo function selection	10
6. COMMAND	11
6.1 CD5220 Standard Mode Command List	11
6.2 UTC STANDARD MODE COMMAND LIST	14
6.3 UTC ENHANCED MODE COMMAND LIST	14
6.4 AEDEX MODE COMMAND LIST	15
6.5 ADM787/788 MODE COMMAND LIST	15
6.6 DSP-800 MODE COMMAND LIST	16
6. / EPSON ESC/POS COMMAND LIST	1/
7. CHARACTER SET	20
7.1 USA, STANDARD CHARACTER SET (20H – 7EH)	20
7.2 INTERNATION CHARACTER SETS	21
7.3 PAGE 0 (PC437: USA, STANDARD EUROPE) (80H – FFH)	22
7.4 PAGE 1 (KATAKANA) (80H – FFH)	23
7.5 PAGE 2 (PC850: MULTILINGUAL) (80H – FFH)	24
7.6 PAGE 3 (PC860: PORTUGUESE) (80H – FFH)	25
7.8 PAGE 5 (PC865: NORDIG) (8011 – FFH)	26
7.0 PAGE 5 (PC003: NORDIC) ($\delta UH - FFH$)	27
7.10 PAGE 7 (RUSSIA) (80H - FFH)	29

7.11 PAGE 19	(PC858 Euro) (80H – FFH)	30
7.12 PAGE 16	(WPC1252) (80H – FFH)	31
7.13 PAGE 12	(GREEK) (80H – FFH)	32
APPENDIX A:	CUSTOMER DISPLAY DIMENSION	33
APPENDIX B: 1	DISPLAY BASE DIMENSION	33
APPENDIX C: 	DISPLAY MODULE DIMENSION	34
APPENDIX D:	PASS THROUGH INSTALLATION GUIDE	35

1. FEATURES

- 1.) Data can be displayed on 20 columns x 2 lines.
- 2.) Blue-green color and large character are easy to eyes.
- 3.) The display panel is adjustable to provide the best view angle.
- 4.) Provide 2 poles for bast position installation.
- 5.) The DIP-switches setting emulate commands mode, baud rate and international characters.
- 6.) CD5220/UTC/EMAX/ADM/EscPOS/DSP-800 emulation command sets.
- 7.) User-defined characters can be downloaded (for EscPOS /CD5220/DSP-800 command).
- 8.) Display area can be controlled by window function (for EscPOS command only).
- 9.) Provides an interface based on RS-232C, and RS232C baud rate from 4800 to 38400 bps.
- 10.) Provides pass through function, so both printer and display can be connected to the same port (ref. Appendix D).
- Multi power connectable and wide range power input (9 45 Vdc).

2. GENERAL SPECIFICATIONS

NO	ITEM	Descriptions		
1	Display method	Vacuum fluorescent display		
2	Numberof character	40 characters (20 columns x 2 lines)		
3	Character font	5 x 7 Dot matrix		
4	Display color	Blue green		
5	Brightness	700 cd/ m ²		
6	Character type	96 alphanumeric 13 kinds of international character set 1 kind of user define character		
7	Character size	9.2 mm x 5. 25 mm		
8	Power supply	9 - 45Vdc		
9	Power consumption	3 – 6 W		
10	MTBF	25000 hours (power on time)		
11	Panel dimensions	224 (W) x 93 (H) x 50(D) mm		
12	Support dimensions	Long support : 219 mm Short support : 88 mm		
13	Base dimensions	190(w)x55(h)x96(d)mm		
14	Viewing angle	-5 - 60 degrees		
15	Rotation angle	Maximum 270 degrees		
16	Weight	1.25 Kg		
17	Operating temperature	5 − 45 °C		
18	Operating Humidity	30%-85%		
19	Storage Temperature	-10 - 55℃		
20	Storage Humidity	10%-85%		

Table 2-1

3. UNPACKING AND CHECKING THE PARTS



4. INTERFACE

4.1 Specifications

Data transmission:	Serial
Synchronization:	Asynchronous
Handshaking:	DTR / DSR
Signal level: MARK = -3 to -15 V (logic "1") SPACE = +3 to +15 V (logic "0")	
Baud rates:	4800,9600,19200 or 38400 bps
Parity and bitNone parity, 8 data bits orlenghtEven parity, 7 data bits	
Stop bits:	1 or more
	Table 4-1

4.2 The communication flow

Data flow :	PC/host to display, Display to printer, Printer to PC/host
Handshaking flow :	Display to PC/host, printer to display, PC/host to printer
	Table 4.0



Note: There are 200 bytes resident buffer in the display for pass data to printer.If PC/host keep transmitting the data to printer when the display inactive DTR or RTS, data will be lost.



4.4 Interface connector (On the buttom of the base section)



CN1,CN6: 24Vdc power supply pass-through connects CN2:Power input connector from adapter CN3: RS-232C connect to printer CN4: Connect to display panel CN5:RS-232C connect to PC/Host

4.5 Power Supply Connectors

The varibale power input which are available on base connectors, but only if one connector can be selected for power input, the description as below:

4.5.1 CN2 / Type: DC jack (5.5/2.1)

Pin assignment

No	Signal	
+	Vin1	
-	GND	
Table 4-3		



quick lock 3

4.5.2 CN1,CN6 / Type: Miniature jacks pin

Pin assignment		
No Signal		
1	Vin2	
2	GND	
Table 4-4		



4.5.3 CN5 / Type: DB25/F together with signals of RS-232C,

Pin assignment

No	Signal		13	1	、
6,25	Vin3		@\ ° ° ° ° ° ° °		ിത
7	GND			• • • • • • • •	
Tabl	le 4-5		25	14	
-		-			

Note: this connector is same as chapter 4.6



4.6 RS232C link to PC/HOST connector (CN5)

Type : DB25/F



Pin ass	signmer	nt	25 14
No	Signal	Direction	Function description
2	TXD	From printer to PC/Host	Printer status data
3	RXD	From PC/Host to display	Receive data
4,20	DTR	From display to PC/Host	Display/printer ready signal
6	DSR	From PC/Host to printer	PC/Host ready signal
7	GND	-	Signal ground
16,25	Vin3	From PC/Host to display	Power input

Table 4-6

4.7 RS232C link to printer connector (CN3)

Type: DB9/M

Pin assignment		
No	Signal	Direction
2	RXD	From printer to PC/H

No	Signal	Direction	Function description
2	RXD	From printer to PC/Host	Printer status data
3	TXD	From display to printer	Printing data
5	GND	-	Signal ground
4,7	DTR	From PC/Host to printer	PC/Host ready signal
6	DSR	From printer to display	Printer ready signal
9	Vin2	From Hosiden to printer	Power through to printer

Table 4-7

4.8 RS232C link to display panel (CN4)

Type: RJ45/10P/8C

Pin assignment

No	Signal	Direction	Function description
2,3	Vin	-	Power 9 – 45 Vdc
4,5	GND	-	Signal ground
6	DSR	From Printer to Display	Printer ready signal
7	DTR	From Display to PC/Host	Display/Printer ready signal
8	RXD	From PC/Host to Display	Display/Printing data signal
9	TXD	From Display to Printer	Printer status data signal

Table 4-8



5. DIP SWITCH SETTING



5.1 Command type selection

SW1	SW2	SW3	Command type
ON	ON	ON	DSP800
OFF	ON	ON	ESC/pos
ON	OFF	ON	ADM 787
OFF	OFF	ON	ADM 788
ON	ON	OFF	EMAX(Aedex)
OFF	ON	OFF	UTC/P
ON	OFF	OFF	UTC/S
OFF	OFF	OFF	CD5220

Table 5-1

5.2 Baud rate selection

SW8	SW9	Baud rate (bps)
ON	ON	4800
OFF	ON	9600
ON	OFF	19200
OFF	OFF	38400

Table 5-2

5.3 Parity check selection

SW10	Parrity & data bites		
ON	None-parity, 8 data bites		
OFF	Even-parity, 7 data bites		

Table 5-3

5.4	International	l character	set se	lection
-----	---------------	-------------	--------	---------

SW4	SW5	SW6	SW7	Character set	Code table (80H-FFH)
ON	ON	ON	ON	U.S.A.	PC-437(USA&Europe)
OFF	ON	ON	ON	FRANCE	PC-858(Euro)
ON	OFF	ON	ON	GERMANY	PC-858(Euro)
OFF	OFF	ON	ON	U.K.	PC-858(Euro)
ON	ON	OFF	ON	DENMARK I	PC-858(Euro)
OFF	ON	OFF	ON	SWEDEN	PC-858(Euro)
ON	OFF	OFF	ON	ITALY	PC-858(Euro)
OFF	OFF	OFF	ON	SPAIN	PC-858(Euro)
ON	ON	ON	OFF	JAPAN	Katakana
OFF	ON	ON	OFF	NORWAY	PC-858(Euro)
ON	OFF	ON	OFF	DENMARK II	PC-858(Euro)
OFF	OFF	ON	OFF	U.S.A	Slavonic
ON	ON	OFF	OFF	U.S.A	Russia
OFF	ON	OFF	OFF	U.S.A	PC860 (Portuguese)
ON	OFF	OFF	OFF	U.K.	Greek
OFF	OFF	OFF	OFF	Not used	
	Table 5-4				

5.5 Self-test & demo function selection

SW11	Function
ON	Enable
OFF	Disable

Table 5-5

* SW12 reserve

6. COMMAND

6.1 CD5220 Standard Mode Command List

Command	Code (hex)	Function description
ESC DC1	1B 11	Overwrite mode
ESC DC2	1B 12	Vertical scroll mode
ESC DC3	1B 13	Horizontal scroll mode
ESC QACR	1B 51 41 <i>data</i> x m 0D	Set thestringdisplay mode,writed string to upper line , m ≤ 20
ESC QBCR	1B 51 42 <i>data</i> x m 0D	Set the string display mode, writed string to lower line . m ≤ 20
ESC QDCR	1B 51 44 <i>data</i> x m 0D	Upper line message scroll continuously . m \leq 40
ESC [D	1B 5B 44	Move cursor left
BS	08	Move cursor left
ESC [C	1B 5B 43	Move cursor right
HT	09	Move cursor right
ESC [A	1B 5B 41	Move cursor up
ESC [B	1B 5B 42	Move cursor down
LF	0A	Move cursor down
ESC [H	1B 5B 48	Move cursor to home position
НОМ	0B	Move cursor to home position
ESC [L	1B 5B 4C	Move cursor to left-most position
CR	0D	Move cursor to left-most position
ESC [R	1B 5B 52	Move cursor to right-most position
ESC [K	1B 5B 4B	Move cursor to bottom position
ESC I x y	1B 6C x y	Move cursor to specified position $1 \le x \le 20$,row position $1 \le y \le 2$,column position

Command	Code (hex)	Function description
ESC @	1B 40	Initialize display
ESC W s x1 x2	1B 57 1 x1 x2 y	Set or cancel the window
У		range at horizontal scroll
		mode
		$1\!\leq\!x1\!\leq\!x2\!\leq\!20$, row
		position
		$1 \! \leq \! y \! \leq \! 2$, column position
CLR	0C	Clear display screen, and
-		clear string mode
CAN	18	Clear cursor line, and clear
		string mode
ESC * n	1B 2A n	Brightness adjustment
		1≦n≦4
ESC & s n m	1B 26 1 n m	Define download
[a (P1pa)]x	[a(p1pa)]x (m-n+1)	characters.
(m-n+1)		$32 < n \leq m \leq 255$
		$1 \leq a \leq 5$
		p1p5 =row1row5
ESC ?	1B 3F	Deletes download
		characters.
ESC %	1B 25	Select/cancel download
		character set.
ESC _ n	1B 5F n	Set cursor on/off
		n = 1, cursor off
F00 ()		.n = 2, cursor on
ESCIN	1B 66 n	Select international fonts
500		set, refer 2
ESCCN	1B 63 N	Select code, refer ^3
ESC = n	1B 3D n	Select peripheral device,
		aisplay or printer
		r_{1} bit $1 = 1$ select printer
ESC o 1	1 0 72 01	Store the use define
E30 S I		character into eeprom
ESC d 1	1B 64 01	Store the use define
		character from eenrom
		character nom eeprom

Table 6-1

*2: The parameter of international fonts set control by command "ESC f n"

Parameter n	International Font Set
"A"	U.S.A.
"G"	Germany
"["	Italy
"J"	Japan
"U"	U.K.
"F"	France
"S"	Spain
"N"	Norway
"W"	Sweden
"D"	Denmark I
"E"	Denmark II
"L"	Slavonic
"R"	Russia

Table 6-2

*3: The parameter of the code table control by command "ESC c n"

Parameter "n"	International font set
"A"	Compliance with ASCII code
"J"	Compliance with JIS code
"L"	Compliance with SLAVONIC code
"R"	Compliance with RUSSIA code

Table 6-3

6.2 UTC standard mode command list

Command	Code (hex)	Function description
BS	08	Back space
HT	09	Horizontal tab
LF	0A	Line feed
CR	0D	Carriage return
DLE	0F	Display position
DC1	11	Over write display mode
DC2	12	Vertical scroll mode
DC3	13	Cursor on
DC4	14	Cursor off
US	1F	Clear display
ESC d	1B 64	Change to UTC enhanced
		mode

Table 6-4

6.3 UTC enhanced mode command list

Command	Code (hex)	Function description
ESC u ACR	1B 75 41 <i>data</i> x m	Upper line display
	0D	$0 \leq m \leq 20$
ESC u BCR	1B 75 42 data x m	Bottom line display
	0D	$0 \leq m \leq 20$
ESC u DCR	1B 75 44 data x m	Upper line message scroll
	0D	continuously
		$0 \leq m \leq 40$
ESC u ECR	1B 75 45 hh ':'	Display time
	mm 0D	'00' \leq hh \leq '23'
		'00' \leq mm \leq '59'
ESC u FCR	1B 75 46 data x m	Upper line message scroll
	0D	once pass
ESC u HCR	1B 75 48 n m 0D	Change attention code
		$32 \leq n \leq 255$
		$32 \leq m \leq 255$
ESC u ICR	1B 75 49 data x m	Two line display
	0D	$0 \leq m \leq 40$
ESC RS CR	1B 0F 0D	Change to UTC standard
		mode

Table 6-5

6.4 AEDEX mode command list

Command Code (hex) Eurotion description									
Commanu	Code (liex)	Function description							
! # 1CR	21 23 31 <i>data</i> x m	Upper line display							
	0D	$0 \leq m \leq 40$							
! # 2CR	21 23 32 <i>data</i> x m	Bottom line display							
	0D	$0 \leq m \leq 40$							
! # 4CR	21 23 34 <i>data</i> x m	Upper line message scroll							
	0D	continuously							
		$0 \leq m \leq 40$							
! # 5CR	21 23 35 hh ':' mm	Display time							
	0D	'00' \leq hh \leq '23'							
		'00' \leq mm \leq '59'							
! # 8CR	21 23 38 n m 0D	Change attention code							
		32 ≦n ≦255							
		$32 \leq m \leq 255$							
! # 9CR	21 23 39 data x m	Two line display							
	0D	$0 \leq m \leq 40$							
	Table 6-6								

6.5 ADM787/788 mode command list

Command	Code (hex)	Function description
CLR	0C	Clear display
CR	0D	Carriage return
SLE1	0E	Clear up line and move cursor to upper line left most end
SLE2	0F	Clear low line and move cursor to lower line left most end
DC0	10 n	Set period to upper line last n position
DC1	11 n	$SI\Pi \ge II \ge SI\Pi$
DCT		n = 31H up line
DC2	12 n	
DC2	1211	.n = 31H up line .n = 32H low line
SF1	1E	Clear field 1 and move cursor to field 1 fast position
SF2	1F	Clear field 2 and move cursor to field 2 fast position
	Та	ble 6-7

6.6 DSP-800 mode command list

Command	Code (hex)	Function descriptions
EOT SOH I n ETB	04 01 49 n 17	Select international
		character set.
EOT SOH P n ETB	04 01 50 n 17	Move cursor to specified
		position.
		$31H \leq n \leq 58H$
EOT SOH C n m	04 01 43 n m 17	Clear display range from
ETB		n position to m
		position and move
		cursor to n position.
		$31H \leq n \leq m \leq 58H$
EOT SOH S n ETB	04 01 53 n 17	Save the current
		displaying data to n
		layer for demo display.
		31H ≦n ≦ 35H
EOISOHDnm	04 01 44 n m 17	Display the saved data
EIB		$31H \leq n \leq 4FH$
		$31H \leq m \leq 33H$
EOT SOH A n ETB	04 01 41 n 17	Brightness adjustment.
		$31H \leq n \leq 34H$
EOT SOH F n ETB	04 01 46 n 17	Blink display screen.
		$0 \leq n \leq 255$
EOT SOH & n [px5]	04 01 26 n p1p5	Define download
ETB	17	characters
		20H < n ≦ FFH
EOT SOH ? n ETB	04 01 3F n 17	Delete download
		characters.
		20H < n ≦ FFH
EOT SOH = n ETB	04 01 3D n 17	Select peripheral
		device.
		.n = 31H,select printer
	04.04.05.47	.n = 32H,select display
EUTSUH%EIB	04 01 25 17	Initialize display
EUT SOH @ ETB	04 01 40 17	Execute self-test

Table 6-8

6. 7 EPSON Esc/pos command list

Command	Code (hex)	Function description				
HT	09	Move cursor right.				
BS	08	Move cursor left.				
US LF	1F 0A	Move cursor up.				
LF	0A	Move cursor down.				
US CR	1F 0D	Move cursor to right-most				
		position.				
CR	0D	Move cursor to left-most				
		position.				
НОМ	0B	Move cursor to home				
		position.				
US B	1F 42	Move cursor to bottom				
		position.				
US \$ x y	1F 24 x y	Move cursor to specified				
		position.				
		$1 \leq x \leq 20$				
		$1 \leq y \leq 2$				
CLR	0C	Clear display screen.				
US X n	1F 58 n	Brightness adjustment.				
		$1 \leq n \leq 4$				
US E n	1F 45 n	Blink display screen.				
		$0 \leq n \leq 255$				
ESC @	1B 40	Initialize display.				
ESC t n	1B 74 n	Select character code table.				
		$0 \leq n \leq 14$				
ESC R n	1B 52 n	Select international character				
		set.				
		$0 \leq n \leq 14$				
USrn	1F 72 n	Select/cancel reverse				
		character.				
		$0 \leq n \leq 1$				
US MD1	1F 01	Specify overwrite mode.				
US MD2	1F 02	Specify vertical scroll mode.				
US MD3	1F 03	Specify horizontal scroll				
		mode.				
ESC & s n m	1B 26 1 n m	Define download characters.				
[a(p1pa)]x	[a(p1pa)]x	$32 < n \leq m \leq 255$				
m-n	m-n	$1 \leq a \leq 5$				
		p1p5 =row1row5				

Command	Code (hex)	Function description				
ESC ?	1B 3F	Delete downloads characters.				
ESC %	1B 25	Select/cancel download				
		character set.				
ESC W n s x1	1B 57 n s x1 y1	Specify/cancel the window				
y1 x2 y2	x2 y2	range.				
		$1 \leq n \leq 4$, $0 \leq s \leq 1$				
		$1 \leq x1 \leq x2 \leq 20$				
		$1 \leq y1 \leq y2 \leq 2$				
ESC = n	1B 3D n	Select peripheral device.				
		.n bit 0 = 1 select printer				
		.n bit 1 = 1 select display				
US :	1F 3A	Set starting/ending position of				
		macro definition.				
US ^ n m	1F 5E n m	Execute and quit macro.				
		$0 \le n \le 255$, $0 \le m \le 255$				
US @	1F 40	Execute self-test.				
USThm	1F 54 h m	Display time				
		$0 \hspace{0.1in} \leq \hspace{-0.1in} h \! \leq \! 23$, $0 \! \leq \! m \! \leq \! 59$				
USU	1F 55	Display time continuously				
US V n	1F 56 n	Status confirmation by DTR				
		signal				
		$0 \leq n \leq 1$				

Table 6-9

Select international font

Select code table

.n	1F 40
0	U.S.A.
1	France
2	Germany
З	U.K.
4	Denmark I
5	Sweden
6	Italy
7	Spain
8	Japan
9	Norway
10	Denmark II
11	Slavonic
12	Russia
13	Portuguese
14	Greek
15	Reserved

000	
.n	Execute self-test.
0	Page 0,(PC437,USA standard Euro.)
1	Page 1,(Katakana for Japan)
2	Page 2,(PC850,Multilingual)
3	Page 3,(PC860, Portuguese)
4	Page 4, (PC863, Canadian-French)
5	Page 5,(PC865,Nordic)
6	Page 6,(Slavonic)
7	Page 7,(Russian)
19	Page 8,(PC858, Euro)
16	Page 9,(WPC1252.)
12	Page 12,(Greek)

7. CHARACTER SET

7.1	USA,stand	lard c	haracter	set ((20h – ˈ	7Eh)
-----	-----------	--------	----------	-------	----------	------

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
20H	·····	0 0 0 0	. 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. 00000 . 0. 0. 00000 . 0. 0. . 0. 0.	0 .0000 0.0 .000. 0.0 0000. 0.	00 000 0. 0. 0 00 000 00	.00 0.0. 0.0 0.0. 0.0.0 0.0.0 0.0.0	. 00 . 0 . 0	0. .0 .0 .0 .0 0.	. 0 0 0. 0. 0. . 0	0. 0.0.0 .000. 0.0.0 0	0 000000 0 0	 .00 .0	00000		0 0. .0 0
30H	.000. 000 0.00 0.0.0 000 00 .000.	0 .00 0 0 0 0	.000. 00 0 0. 0. .0 00000	00000 0. 0. 0 0 00 .000.	0. .0.0. 0.0.0. 00000 0. 0.	00000 0 0000. 0 0 0 .000.	00. .0 0000. 00 00 .000.	00000 0 0. 0 .0 .0	. 000. 0 0 0 0 . 000. 0 0 0 0 . 000.	. 000. 0 0 0 0 . 0000 0 0. . 00	. 00 . 00 . 00 . 00	. 00 . 00 . 00 . 0	0. .0 0 .0 0	00000	. 0 0. 0. 0. 0. 0. 0.	.000. 00 0 0. 0.
40H	. 000. 0 0 0. 000 00. 00 0. 000 0 . 0000	0 00 00 0.0000 00 00	0000. 00 00 0000. 00 00 0000.	. 000. 0 0 0 0 0 0 . 000.	000 00. 00 00 00 00. 000	00000 0 0 0000. 0 0 00000	00000 0 0 0000. 0 0	. 000. 0 0 0 0. 000 0 0 0 0 0000	00 00 00000 00 00 00	. 000. 0 0 0 0 0 . 000.	. 0000 0. 0. 0. 0. 0. 0.	00 0.0. 00 0.0. 0.0. 0.0. 00	0 0 0 0 0 0 0.0000	00 00.00 0.0.0 0.0.0 00 00 00	00 000 0.0.0 0.00 000 00 00	. 000. 0 0 0 0 0 0 0 0 0 0 0
50H	0000. 00 00 0000. 0 0	.000. 00 00 00 0.0.0 00. .00.0	0000. 00 0.000. 0.0 0.0. 00	.000. 00 0 .000. 0 00 .000.	00000 0 0 0 0 0	00 00 00 00 00 00 00	00 00 00 00 00 0.	00 00 0.0.0 0.0.0 0.0.0 0.0.0 0.0	00 00 0. 0. 0.0 00	00 00 0. 0. 0. 0. 0.	00000 0.	. 000. . 0 . 0 . 0 . 0 . 000.	0 .0 0. 0. 0	. 000. 0. 0. 0. 0. 0. 0.	0 .0.0. 00	00000
60H	0. 0.	.000. 0 .0000 00 .0000	0 0000. 00 00 00 00	. 0000 0 0 0 . 0000	0 .0000 00 00 00 0	. 000. 0 0 00000 0 . 000.	0. 0.0 00. 00. 0 0	0 00 .0000 0 .0000 0	0 0000. 00 00 00 00	0 .00 0 0 0 .000.	0. 0. 0. 0. 00. .00	0 0 0.0. 0.0 00 0.0 0.0	. 00 0 0 0 0 0 . 000.	00.00 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0	0. 00. 00 0 0 0 0 0 0 0	
70H	 0000. 00 0000. 0	0 00 .0000 0 0	0.00.00.00.00.00.00.00	 . 0000 0 . 000. 0 0000.	0 00000 0 0 0.0 0.0	00 00 00 00 0	00 00 00 0	00 00 0.0.0 0.0.0 0.0	00 .0.0. 0. .0.0. .0.0. 00	00 00 .0000 0 0000.	00000 0. 0. .0 00000	00. .0 0 .0 .0 .00.	0 0 0 0 0	. 00 0. 0. 0. 0. 0. 0.	. 00. 0	0. .0.0. 00 00 00000

Table 7-1

7.2 Internation Character Sets

Country\Hex	23	24	40	5B	5C	5D	5E	60	7B	7C	7D	7E
U.S.A	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	0 .0000 0.0 .000. 0.0 0000.	. 000. 0 0 0. 000 0. 000 0. 000 0 . 0000	. 000. . 0 . 0 . 0 . 0 . 000.	0 .0 0. 0	. 000. 0. 0. 0. 0. 0.	0 .0.0. 00	0 0.	00. .0 0 .0 .0	0 0 0 0 0	. 00 0. 0. 0. 0. 0.	. 00. 0
France	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	0 . 0000 0. 0 . 000. 0. 0 0000.	. 0 . 000. 0 . 0000 0 0 . 0000	. 000.	. 0000 0 0 . 0000 0 . 0	. 000. 0 0. 000. 0 0 . 000. 0 . 000.	0. .0.0. 00	. 0 0 0.	0. .000. 00 00000 0	. 0 0 0 0 0 0 0 00 . 00. 0	. 0 . 000. 0 0 00000 0 . 00000	. 0. 0.
Germany	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	0 .0000 0.0 .000. 0.0 0000.	. 000. 0 0. 000. 0 0 . 000. 0 . 000.	00 .000. 00 00000 00 00	00 .000. 00 00 00 .000.	00 00 00 00 00 0	0. .0.0. 00	. 0 0 0.	. 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0. 0. . 000. 0 0 0 0 . 000.	. 0. 0. 0 0 0 0 0 00 00	. 00 0 0. 000 0 0. 0 0. 000 0
U.K	00. .00 .0000. .0 .0 000000	0 .0000 0.0 .000. 0.0 0000.	. 000. 0 0 0. 000 00. 00 0. 000 0 . 0000	. 000. . 0 . 0 . 0 . 0 . 0 . 000.	0 .0 0 0.	. 000. 0. 0. 0. 0. 0. 0.	0. .0.0. 00	0 0.	00. .0 0 .0 .0 .0	0 0 0 0 0	. 00 0. 0. 0. 0. 0.	. 00. 0
Denmark I	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	0 .0000 0.0 .000. 0.0 0000. 0.1	. 000. 0 0 0. 000 00. 00 0. 000 0 . 0000	. 0000 0. 0 0. 0 0. 000 000 0. 0 0. 000	0 .000. 0.0.0 0.0.0 0.0.0 .000. .000.	0 .0.0. .000. 00 00000 00	0. .0.0. 00	. 0 0 0.	00. 0. . 0. 0 . 0000 0. 0 00. 00	0. .000. 0.0.0 0.0.0 .000. .000.	0 .000. 0 .0000 00 .0000	. 00. 0
Sweden	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	00 .000. 00 00 00 .000.	0. 00000 0 0000. 0 00000	. 0. 0. . 0. 0. . 0. 0. 0 0 00000 0 0	. 0. 0. . 000. 0 0 0 0 0 0 0	. 000. . 0. 0. . 000. 0 0 00000 0 0 0 0	. 0. 0. 0 0 0 0 0 0 0 0 0	0. .000. 00 00000 0 .000.	. 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0. 0. . 000. 0 0 0 0 0	. 000. . 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0. 0. 0 0 0 0 0 0 0 00 00
Italy	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	0 .0000 0.0 .000. 0.0 0000.	. 000. 0 0 0. 000 00. 00 0. 000 0 . 0000	. 000.	0 .0 0. 0	0. .000. 00 00000 0	0. .0.0. 00	. 0 0 0 0 0 0 0 00 00	. 0 . 000. . 0000 . 0000 0 0	. 0 0 . 000. 0 0 0 0 0	. 0 . 000. 0 0 00000 0 . 0000	. 0 . 0 . 00 . 0 . 0 . 000.
Spain	0000. 00 0000. 00 0.000 00 00	0 . 0000 0. 0 . 000. 0. 0 0000.	. 000. 0 0 0. 000 00. 00 0. 000 0 . 0000	0 0 0 0	. 00. 0 0. 00. 00 0 0. 0. 0 0 00 0 00	0 0 00 .000.	0. .0.0. 00	0 0.	. 0. 0.	. 00. 0 0. 00. 0. 00. 00 0 0 0 0 0	. 00 0. 0. 0. 0. 0.	. 00. 0
Japan	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	0 .0000 0.0 .000. 0.0 0000.	. 000. 0 0 0. 000 0. 000 0 . 0000	. 000. . 0 . 0 . 0 . 0 . 000.	00 .0.0. 000000 0 000000 0 0	. 000. 0. 0. 0. 0. 0.	0. .0.0. 00	. 0 0 0.	00. .0 0 .0 .0 .0	0 0 0 0 0	. 00 0. 0. 0. 0. 0.	
Norway	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	00 .000. 00 00 00 .000.	0. 000000 0 00000. 0	. 0000 0. 0 0. 0 0. 000 000 0. 0 0. 000	0 .000. 000 0.0.0 000 .000.	. 000. . 0. 0. . 000. 0 0 00000 0 0 0 0	. 0. 0. 0 0 0 0 0 0 0 0 0 0 0	0. .000. 00 00000 0	00. 0. . 0. 0 . 0000 0. 0 00. 00	0. .000. 0.0.0 0.0.0 .000. .000.	. 000. . 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0. 0. 0 0 0 0 0 0 00 . 00. 0
Denmark II	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	0 .0000 0.0 .000. 0.0 0000.	0. 000000 0 00000. 0	. 0000 0. 0 0. 0 0. 000 000 0. 0 0. 000	0 .000. 000 0.0.0 000 .000. 0	. 000. . 0. 0. . 000. 0 0 00000 0 0 0 0	. 0. 0. 0 0 0 0 0 0 0 0 0	0. .000. 00 000000 0	00. 0. . 0. 0 . 0000 0. 0 00. 00	0. .000. 0.0.0 0.0.0 .000. .000.	. 000. . 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0. 0. 0 0 0 0 0 0 0 00 00. 0
Slawie	. 0. 0. . 0. 0. 000000 . 0. 0. 000000 . 0. 0. . 0. 0.	0 .0000 0.0 .000. 0.0 0000. 0.1	. 000. 0 0 0. 000 00. 00 0. 000 0 . 0000	. 000. . 0 . 0 . 0 . 0 . 0 . 000.	0 .0 0. 0	. 000. 0. 0. 0. 0. 0. 0.	0. .0.0. 00	0. 0.	00. .0 0 .0 .0 .0	0 0 0 0 0 0	. 00 0. 0 0 0. 0. 0.	. 00. 0
Russia	. 0. 0. . 0. 0. 00000 . 0. 0. . 0. 0. . 0. 0. . 0. 0.	0. .0000 0.0 .000. 00 0000.	. 000. 0 0 0. 000 00. 00 0. 000 0 . 0000	. 000. . 0 . 0 . 0 . 0 . 0 . 000.	0 0 0 0 0 0 0	. 000. 0. 0. 0. 0. 0.	0 0.0.0. 00	0. 0.	00. .0 0 .0 .0 .0	0 0 0 0 0 0	. 00 0. 0. 0. 0. 0. 0.	. 00. 0

Table 7-2

7.3 Pa	7.3 Page 0 (PC437: USA, Standard Europe) (80H – FFH)															
	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H	.0000 0 0 .0000 0 .0	. 0. 0. 0 0 0 0 0 00 00	0. .000. 00 00000 0 .000.	0 .000. 0 .0000 00 .0000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	.0 .000. 0 .0000 00 .0000	0 .0.0. .0000 .0000 00 .0000	. 0000 0 0 . 0000 0 . 0	0 .000. 00 00000 0 .0000	. 0. 0. . 000. 0 0 00000 0 . 0000	. 0 . 000. 0 0 00000 0 . 0000	. 0. 0. 0 0 0 0	0 .0.0. 0 0 0	. 0 . 0 . 00 . 0 . 0 . 000.	. 0. 0. 0 0 0 00000 0 0 0 0	0 .0.0. 0 00 00 00
90H	0. 00000 0 0000. 0 00000	00. 0. . 0. 0 . 0000 0. 0 00. 00	. 0000 0. 0 0. 0 0. 000 000 0. 0 0. 000	0 .0.0. .000. 00 00 .000.	. 0. 0. . 000. 0 0 0 0 000.	. 0 . 00. . 000. 0 0 0 0 000.	0 .0.0. 0 00 00 000 .00.0	. 0 0 0 0 0 0 0 00 00	. 0. 0. 0 0 0 0 . 0000 0 0000.	. 0. 0. . 000. 0 0 0 0 0 0 00.	. 0. 0. 0 0 0 0 0 0 0 0 0 0 000.	0. .0000 0.0 0.0 .0000 .0	00. .00 .0 0000. .0 0 00000	00 .0.0. .00000 0. 00000 0.	0000. 00 0000. 00. 0.000 00. 000	0. 0.0 0 .000. 0 0.0
A0H	0. .000. 0 .0000 00 .0000	0. 0 0 0 0 00.	0. .000. 00 00 .000.	0. 0 00 00 000 00	. 00. 0 0. 00. 0. 00. 00 0 0 0 0 0	. 00. 0 0. 00. 00 0 0. 0. 0 0. 0 0 0 00 0 0	. 000. 0 .0000 00 .0000 	. 000. 0 0 0 0 0 0 . 000. 	0 0 00 000.	00000	00000	00. 0.0 00 0.00. .0.00. 0. .0000	00. 0.0.0 00.00 00 00 00 00	0 0 0 0 0 0	0. 0.0 .0.0. .0.0. .0.0. 0.0	.0 0.0. .0.0. .0.0 .0.0 .0.0. .0.0.
B0H	.0.0. 0.0.0 0.0.0 0.0.0 .0.0 0.0.0	0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0. 0. 0. 0	00000 00000 00000 00000 00000 00000 0000	0 0 0 0 0 0	0 0 000 0 0	0 000 0 000 0	. 0. 0. . 0. 0. . 0. 0. 00. 0. . 0. 0. . 0. 0. . 0. 0.	0000. . 0. 0. . 0. 0. . 0. 0.	000 0 000 0	. 0. 0. . 0. 0. 00. 0. 0. 00. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0.	0000. 0. 00.0. .0.0. .0.0.	. 0. 0. . 0. 0. 00. 0. 0. 0000.	. 0. 0. . 0. 0. . 0. 0. 0000.	0 000 0. 000	000 0 0
Сон	0 0 000	0 0 000000	00000	0 0 000 0 0	00000	0 0 000000 0 0	0 000 0 000 0 0	. 0. 0. . 0. 0. . 0. 00 . 0. 00 . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 00 . 0 . 0000	. 0000 .0 . 0. 00 . 0. 0. . 0. 0.	. 0. 0. . 0. 0. 00. 00	000000 00.00 .0.0. .0.0.	. 0. 0. . 0. 0. . 0. 00 . 0 . 0. 00 . 0. 0. . 0. 0.	00000	. 0. 0. . 0. 0. 00. 00 00. 00 . 0. 0. . 0. 0.	0 000000
D0H	. 0. 0. . 0. 0. . 0. 0. 00000	00000 00000 0	00000 . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. . 0000	0 000 000 000	 	. 0000 . 0. 0. . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. 00000 . 0. 0. . 0. 0. . 0. 0.	0 000000 0 000000 0 0	0 0 000	000 0 0	00000 00000 00000 00000 00000 00000 0000	00000 00000 00000 00000	000 000 000 000 000 000	000 000 000 000 000 000 000	00000 00000 00000 00000
E0H	0 .00.0 00. 00. 0.0.0 00.0	00. .00 .000. .00 .00 .000. .000.	00000 00 0 0 0 0	00000 . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. 0 00	00000 .00 0. 0. 0. 0.00 00000	000 .0 0.0 00. 00 00. .00	00 00 000 000.0 0	00000 0 0 0 00.	. 000. . 000. 0. 0. 0 0. 0. 0 0. 0. 0 . 000. . 000.	.000. 00 00000 00 00 00 .000.	. 000. 0 0 0 0 0 0 0 0 . 0. 0. 00. 00	. 0000 0 . 0 . 000. 0 0 0 0 000.	. 0. 0. 0. 0. 0 . 0. 0.	0 000. 0.0.0 0.0.0 .000. 0.0.0	. 000. 0 0000. 0 0 . 000.	.000. 00 00 00 00 00 00
F0H	00000	0 000000 0 0 000000	0 0 0 0 00000	0 0. 0. 00000 	0. 0.0 0 0 0 0	0 0 0 0 0.0 .0	0 000000 0	.00.0	. 000.	.00		. 0000 . 0 . 0 . 0 . 0 00	.0.0. .00.0 .0.0 .0.0	00. .0.0 0. .0000	000 000 000 000 000	·····
	Table 7-3															

7.4 Page 1	(Katakana)) (80H	– FFH)
------------	------------	--------	--------

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H		00000	00000	00000 00000 00000 00000	00000 00000 00000 00000 00000	00000 00000 00000 00000 00000 00000	00000	00000	00000	00000 00000 00000 00000	00000 00000 00000 00000 00000	00000 00000 00000 00000 00000 00000	0 0 0 0 0 0	00 00 00 00 00 00	000 000 000 000 000 000	0000. 0000. 0000. 0000. 0000. 0000.
90H	0 0 0 0 0	00 00 00 00 00 00	000 000 000 000 000 000	. 0000 . 0000 . 0000 . 0000 . 0000 . 0000 . 0000	00000 00000 00000 00000 00000 00000 0000	0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0. 0. 0. 0	. 0. 0. 0. 0. 0 0. 0. 0 0. 0. 0 . 0. 0 0. 0. 0	0. 0. 000000 0. 0.	0 000000 .0 0	0 0.000. 0.0.0 0 0 0	0 0 0 0.0.0 .000. 0	00 .0.0. .0.0. .0.0. 0.0.0	0 000000 0	0 000000 0 0 000000	0 00. 00. 00. 0	0 00 00 00 00000
A0H	·····	 000 000 000	000 0 0 0	 0 0 0 000	0 .0 .0	.00	00000 00000 0 0.	000000 0 00. 0.	0 0. .00 0.0 0	 00000 00 0 0	00000 0 0 00000	0. 000000 00. .0.0. 00.	.0 00000 .00 .0.0. .0.0.	. 000. 0. 0. 00000	0000. 0. 0000. 0. 0000.	0. 0. 0 0. 0. 0 0. 0. 0 00.
вон	00000	00000 0 0.0 00. 0 0	0 0. .00 0.0 0	0 00000 00 00 0 0 0	00000	0. 00000 0. 00. .0.0. 0.0. 0.	.0 00000 .00 .00 .0.0 .0.0 .0.0	0 00000 0 00000 0 0	. 0000 . 0 0 0 0 0 0. 0.	. 0 . 0000 0 0. 0. 0. 0. 0.	00000 0 0 0 0 00000	. 0. 0. 00000 . 0. 0. . 0. 0. 0. 0. . 0	00 000 000 0 0. 000	00000 0 0. 0. .0.0. 00	. 0 00000 . 0 0 . 0. 0. . 0 . 0 000	00 00 .0.0 0 0 0
СОН	0 .00 0.0.0 00 0 0.	0. 000 0. 00000 0. 0. 0.	0. 0. 0 0. 0. 0 0. 0. 0 0 0.	. 000. 000000 0 0 . 0	. 0 . 0 . 00 . 0. 0. . 0. 0. . 0	0 000000 0 0 0	. 000.	00000 0 .0.0. .0.0. .0.0. 0.0.	0 00000 0. 0. 00. 0.00. 0.0.0	· 0. 0. 0. 0. 0. 0	0. 00 00 00 00 00	0 00000 0 0 0	00000 0 0 0 0.	.0 0.0 0. 0	0 00000 0 0 0.0.0 0.0.0 0	00000 0 0 0. 0.
D0H	. 000. . 000. . 000.	 0 0 0 0 000000 0	0 0 .0.0. .0.0. .0.0. 0.0.	00000 .0 00000 .0 .0 .000	. 0 0 00000 . 0 0 . 0. 0. . 0 . 0	. 000. 0. 0. 0. 0. 00000	00000 0 00000 0 0 0	. 000. 000000 0 0 0.	00 00 00 00 0 0	0 0.0 0.0 0.0.0 0.0.0 0.00	0 0 00 00. 0.0 00	00000 00 00 00 00 00 0.0000	00000 00 0 0 0	00 0 0 0 0 0. 000	0. 00. .0	000
E0H	00000 00 00 00 00	00000 00000 00000 00000 00000	 000 000 000	. 000. 0 0 0 0 0 0 000.	. 000. 00000 00000 00000 . 000.	0 00 .0.0. .0.0.	0 .000. 000000 .000. 0.	 .0 000 .0	. 0 . 00 . 000. . 000. . 00	0. 00. .000. 00. 00.	 0 .000. 00000	00000 . 000. . 00.	0.0 .0.0. 0.0 .0.0. 0.0	0. 0 . 0. 0. 0. 0 . 0. 0. 0. 0	0 0 00000 .000. 0. 00000	0 0 00000 .00 .00 .00.
F0H	00000 00 00 00000 00 00 00	000000000000000000000000000000000000000	0 0.0.0 .000. 0 0. .0.0. 00	0 0.0 0000. 0 .000. 0.0.0 0	0 000000 0 .000. 0.0.0 0	0 00000 0. 00000 .000 0000	0 000000 0 0 0 00000	. 0 00000 0 00000 0. 0 00000 0	00000 0. 0. 0 0. 0. 0 00000 0 0 0 0 0 0	0 0.0. 00 00000 .00 00. 0.	0 0 .0.0. .0.0. .0.0. 00	0 000000 0 0 .0.0. 00	0 00000 0.0.0 00000 0 0	0 0.0.0 0.0.0 0.0.0 0.0.0 0 .00	00000	0.00. 000 .0 .0 .0 .00 00.

Table 7-4

7.5 Page 2	(PC850: Multilingual)	(80H – FFH)
------------	-----------------------	-------------

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H	. 0000 0 0 . 0000 0 . 0	0.0.0. 00 00 00 00 000 0.00	0. .000. 00 00000 0 .0000	0 .000. 0 .0000 00 .0000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	.0 .000. 0 .0000 00 .0000	0 .0.0. .0000 .0000 00 .0000	. 0000 0 0 . 0000 0 . 0	0 .000. 00 00000 0 .000.	. 0. 0. 0 0 0 00000 0 . 000.	. 0 . 000. 0 0 00000 0 . 000.	. 0. 0. 0 0 0 0 0	0 .0.0. 0 0 0	. 0 . 0 . 00 . 0 . 0 . 00.	. 0. 0. 0 0 0 00000 0 0 0 0	0 .0.0. .000. 00 00000 00
90H	0. 00000 0 0000. 0 00000	00. 0. . 0. 0 . 0000 0. 0 00. 00	. 0000 0. 0 0. 0 0. 000 000 0. 0 0. 000	0 .0.0. .000. 00 00 .000.	. 0. 0. . 000. 0 0 0 0 . 000.	. 0 . 00. . 000. 0 0 0 0 . 000.	0 .0.0. 00 00 000 .00.0	. 0 0 0 0 0 0 0 00 00	. 0. 0. 0 0 0 0 . 0000 0 0000.	. 0. 0. . 000. 0 0 0 0 0 0 000.	. 0. 0. 0 0 0 0 0 0 0 0 0	0. .000. 0.0.0 0.0.0 .000. .000.	00. .00 .0 0000. .0 0 00000	0. .000. 0.0.0 0.0.0 0.0.0 .000. .000.	00 .0.0. .0.0. .0.0. 00	0. 0.0 0 000. 0 0.0
A0H	0. .000. 0 .0000 00 .0000	0. 0 0 0 0	0. .000. 00 00 .000.	0. 0. 00 00 00 000 00.0	. 00. 0 0. 00. 0. 00. 00 0 0 0 0 0	. 00. 0 0. 00. 00 0 0. 0. 0 0. 0 0 0 00 0 0	. 000. 0 . 0000 0 0 . 0000 00000	. 000. 0 0 0 0 0 0 . 000. 	0 0 00 00.	. 000. 000. 0 000. 0 000. 0 000. 0 000. 0 . 000.	00000	00. 0.0 0.00. .0.00. 0. .0000	00. 0.00 000 0.0 0.0 .0000 0	0 0 0 0 0 0	0. 0.0 .0.0. .0.0. .0.0. 0.0	. 0 0. 0 . 0. 0. . 0. 0 . 0. 0. 0. 0 . 0
вон	. 0. 0. 0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0 0. 0. 0 . 0. 0.	0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0 0. 0. 0 . 0. 0 0. 0. 0	00000 00000 00000 00000 00000 00000 0000	0 0 0 0 0 0	0 0 000 0 0	0. 00. 0 00 00	0 .0.0. .000. 00 00000 00	. 0 . 00. . 000. 0 0 00000 0 0	. 000. 0 0 0. 000 00 0 0. 000 0 0 . 000.	. 0. 0. . 0. 0. 00. 0. 0. 00. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0.	0000. 0. 00.0. .0.0. .0.0.	. 0. 0. . 0. 0. 00. 0. 0. 0000.	0 .0000 0.0 0.0 0.0 .0000 0	00 .0.0. .00000 0. 00000 0.	000
Сон	0 0 000	0 0 000000	 000000 0 0 0	0 0 000 0 0 0	00000	0 0 000000 0 0	.00.0 0.00. .0000 .0000 00 .0000	.00.0 0.00. .000. 00 0.000 00	. 0. 0. . 0. 0. . 0. 00 . 0 . 0000	. 0000 . 0 . 0. 00 . 0. 0. . 0. 0.	. 0. 0. . 0. 0. 00. 00	000000 00.00 .0.0. .0.0.	. 0. 0. . 0. 0. . 0. 00 . 0 . 0. 00 . 0. 0. . 0. 0.	00000	. 0. 0. . 0. 0. 00. 00 00. 00 . 0. 0. . 0. 0.	00 .000. 00 00 00 .000. 00
D0H	. 0. 0. 000 0. . 000. 0 0 0 0 . 000.	0000. .00 .0.0 000.0 .0.0 .0.0	. 0 000000 0 0000. 0 00000	. 0. 0. 00000 0 0000. 0 00000	0. 00000 0 0000. 0 00000	. 00 0 0 0 0 00.	0. .000. 0. 0. .000.	0 . 0. 0. . 000. 0. . 00. . 000.	. 0. 0. . 000. . 0. . 0. . 0. . 000.	0 0 000		00000 00000 00000 00000 00000 00000 0000	00000 00000 00000 00000	0 0 0 0 0	. 0 . 0 . 000. . 0 . 0 . 000.	00000 00000 00000 00000
E0H	0. .000. 00 00 00 00 .000.	00. .00 .000. .00 .00 .000. .000.	0 .0.0. .000. 00 00 .000.	. 0 . 000. 0 0 0 0 0 0 0	. 00. 0 0. 00. . 000. 0 0 0 0 . 000.	. 00. 0 0. 00. . 000. 0 0 0 0 . 000.	. 0 0 . 0 0 . 000. . 000. . 0 0	. 0 . 000. . 0 0 . 0 0 . 000. . 0 . 0	000 .000. .00 .00 .000. .000.	0. 0. 00 00 00 .000.	0 .0.0. 00 00 00 .000.	. 0 0 0 0 0 0 0 0 0	0. 00 00 .0000 0 0000.	0. 00 00 00 .0.0. 0.	00000	0. 0.
F0H	00000	0 0 00000 0 0 00000	00000	00 000 0.0 00.00 00 0	. 0000 00. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. 0 0.	. 000. 0 00 . 000. . 000. . 000.	0 000000 0	0.00.	. 000. . 0. 0. . 000.	. 0. 0.	00.	0 .00 0 .0 .000.	. 000. 0 0 . 000. . 000.	00. 0. 0. 0. 0000	000 000 000 000 000	

Table 7-5

7.6 Page 3	(PC860: Portuguese)) (80H – FFH)
------------	---------------------	---------------

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H	.0000 0 0 .0000 0. .0	. 0. 0. 0 0 0 0 0 0 0 00 00	0. .000. 00 00000 0 .0000	0 .000. 0 .0000 00 .0000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0 . 000. 0 . 0000 0 0 . 0000	0. .000. 00 00000 00 00	. 0000 0 0 . 0000 0 . 0	0 .000. 00 00000 0 .000.	0 00000 0 0000. 0 00000	. 0 . 000. 0 0 00000 0 . 000.	. 0. 0. . 000. . 0 . 0 . 0 . 000.	0 .0.0. .000. 00 00 .000.	. 0 . 0 . 00 . 0 . 0 . 00.	. 0. 0. . 000. 0 0 00000 0 0 0 0	0 .0.0. .000. 00 00000 00
90H	0. 00000 0 0000. 0	. 0 . 000. 0 0 00000 0 0 0 0	. 0 00000 0 0000. 0 00000	0 .0.0. .000. 00 00 .000.	. 0. 0. . 000. 0 0 0 0 . 000.	. 0 . 0 . 000. 0 0 0 0 . 000.	0. 00 00 00 00 00 .000.	. 0 0 0 0 0 0 0 00 00	. 0 . 000. 0 0 0 . 000.	. 0. 0. . 000. 0 0 0 0 0 0 000.	. 0. 0. 0 0 0 0 0 0 0 0 0 0 000.	0. .0000 0.0 0.0 .0000 .0	00. .00 .0 0000. .0 0 00000	. 0 0 0 0 0 0 0 0 0 0 0 000.	0000. 00 0000. 00. 0.000 00. 000	0. .000. 00 00 00 0
A0H	0. .000. 0 .0000 00 .0000	0. 0 0 0 0	0. 00. 00 00 000.	0. 0. 00 00 00 00	. 00. 0 0. 00. 0. 00. 00 0 0 0 0 0	. 00. 0 0. 00. 00 0 0. 0. 0 0. 0 0 0 00 0 0	. 000. 0 . 0000 0 0 . 0000	. 000. 0 0 0 0 0 0 . 000. 	0 0 0 00 000.	. 0 . 000. 0 0 0 0 0 0 0	00000 0 0	00. 0.0 0.00. .0.00. 0.0 0.	00. 0.00 000 0.0 0.0 000 0	0 0 0 0 0 0	0. .0.0. 0.0 .0.0. .0.0. 0.0	. 0 0. 0 . 0. 0. . 0. 0 . 0. 0. 0. 0 . 0
B0H	.0.0. 0.0.0 .0.0. 0.0.0 .0.0 .0.0 .0.0	0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0 0. 0. 0 . 0. 0 0. 0. 0	00000 00000 00000 00000 00000 00000 0000	0 0 0 0 0 0	0 0 000 0 0	0 000 0 000 0 0	. 0. 0. . 0. 0. . 0. 0. 00. 0. . 0. 0. . 0. 0. . 0. 0.	0000. . 0. 0. . 0. 0. . 0. 0.	000 0 000 0	. 0. 0. . 0. 0. 00. 0. 0. 00. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0.	0000. 0. 00.0. .0.0. .0.0.	. 0. 0. . 0. 0. 00. 0. 0. 0000.	. 0. 0. . 0. 0. . 0. 0. 0000.	0 0 0 0 000	000
СОН	0 0 000	0 0 000000	 00000 0 0 0	0 0 000 0 0 0	00000	0 0 000000 0 0	0 000 0 000 0 0	. 0. 0. . 0. 0. . 0. 0. . 0. 00 . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 00 . 0 . 0000	. 0000 . 0 . 0. 00 . 0. 0. . 0. 0.	. 0. 0. . 0. 0. 00. 00 	000000 00.00 .0.0. .0.0.	. 0. 0. . 0. 0. . 0. 00 . 0 . 0. 00 . 0. 0. . 0. 0.	00000	. 0. 0. . 0. 0. 00. 00 00. 00 . 0. 0. . 0. 0.	0 000000 000000
D0H	. 0. 0. . 0. 0. . 0. 0. 000000	000000	 00000 .0.0. .0.0. .0.0.	. 0. 0. . 0. 0. . 0. 0. . 0000	0 000 0. 000	000 0 000 0 0	. 0000 . 0. 0. . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. 00000 . 0. 0. . 0. 0. . 0. 0.	0 00000 0 00000 0 0	0 0 000	000 0 0	00000 00000 00000 00000 00000 00000 0000	00000 00000 00000 00000	000 000 000 000 000 000	000 000 000 000 000 000 000	00000 00000 00000 00000
E0H	0 .00.0 00. 00. 0.0.0 00.0	00. .0.0 .000. .0.0 .0.0 .000. .000.	00000 00 0 0 0 0	00000 . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. 0 00	00000 . 0 0 0 0 . 0 00000	000 .0 0.0 00. 00 00. .00	00 00 00 000.0 0 0	00000 0 0 0 0	. 000. . 000. 0. 0. 0 0. 0. 0 0. 0. 0 . 000. . 000.	. 000. 0 0 0 0 00000 0 0 0 0 . 000.	. 000. 0 0 0 0 0 0 0 0 . 0. 0. 00. 00	. 0000 0 . 0 . 000. 0 0 0 0 . 000.	. 0. 0. 0. 0. 0 . 0. 0.	0 .000. 0.0.0 0.0.0 .000. 0.0.0	. 000. 0 0 0000. 0 0 . 000.	.000. 00 00 00 00 00 00
F0H	00000	0 0 0 0 0 0	0 .0 0. 0. 000000	0. 0. 0. 000000 	0. 0.0 0.1 0.1 0.1 0.1	0 0 0 0 0.0 0	00000	. 00. 0 0. 00. . 00. 0 0. 00.	. 000.	. 00 . 00		. 0000 . 0 . 0 . 0 . 0 . 00	. 0. 0. . 00. 0 . 0 0 . 0 0	00. .00 0. .0000	000 000 000 000 000	

Table 7-6

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H	. 0000 0 0 . 0000 0 . 0	. 0. 0. 0 0 0 0 0 0 0 00 00	0. .000. 00 00000 0 .0000	0 .000. 0 .0000 00 .0000	0 .000. 00 00000 00 00	.0 .000. 0 .0000 00 .0000	. 000. 00. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0.	. 0000 0 0 . 0000 0 . 0	0 .000. 00 00000 0 .000.	. 0. 0. . 000. 0 0 00000 0 . 000.	. 0 . 000. 0 0 00000 0 . 000.	. 0. 0. . 000. . 0 . 0 . 0 . 000.	0 .0.0. .00 0. .00.	00000	. 0. 0. . 000. 0 0 00000 0 0 0 0	. 000. 0 0 0 . 000. . 000. 0 . 000.
90H	0. 000000 0 0000. 0	. 0 00000 0 0000. 0 00000	0 00000 0 0000. 0 00000	0 .000. 00 00 .000.	. 0. 0. 00000 0 0000. 0 00000	. 0. 0. . 000. . 0 . 0 . 0 . 000.	0 .0.0. 0 00 00 00	. 0 0 0 0 0 0 0 00 00	00 .000. 00 00 00 .000. 00	0 .000. 00 00 00 0	. 0. 0. 0 0 0 0 0 0 0 0 0	0. .0000 0.0 0.0 .0000 .0	00. .00 .0 0000. .0 0 00000	. 0 0 0 0 0 0 0 0 0 0 0 000.	0 .0.0. 0 00 00 00 .000.	0. 0.0 0 .000. 0 0.0
A0H	0 0 0 0 0	0. 0 0 0 0	0. 0. 	0. .000. 00 00 00 00 .000.	0. 0. 00 00 00 000 .00.0	. 0. 0.	0. 00.	00000	0 . 0. 0. . 000. 0 . 000.	00000 0 0	00000 0 0	00. 0.0 0.00. .0.00. .0.0 0. .0000	00. 0.00 000 00 00 00 00	00 .0 .0 .0.0 00.00 000 0	0. .0.0. 0.0 .0.0. 0.0 0.0	. 0 0. 0 . 0. 0. . 0. 0 . 0. 0. 0. 0 . 0
B0H	.0.0. 0.0.0 .0.0. 0.0.0 .0.0 .0.0 .0.0	0.0.0 .0.0. 0.0.0 .0.0 0.0.0 .0.0 0.0.0	00000 00000 00000 00000 00000 00000 0000	0 0 0 0 0 0	0 0 000 0 0	0 000 0 000 000 0	. 0. 0. . 0. 0. . 0. 0. 00. 0. . 0. 0. . 0. 0. . 0. 0.	0000. . 0. 0. . 0. 0. . 0. 0.	000 0 000 0	. 0. 0. . 0. 0. 00. 0. 0. 00. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0.	0000. 0. 00.0. .0.0. .0.0.	. 0. 0. . 0. 0. 00. 0. 0. 0000.	. 0. 0. . 0. 0. . 0. 0. 0000.	0 000 0 000	000 0 0
СОН	0 0 000	0 0 000000	 00000 0. 0. 0.	0 0 000 0 0	00000	0 0 000000 0 0	0 000 0 000 0 0	. 0. 0. . 0. 0. . 0. 00 . 0. 00 . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 00 . 0 . 0000	. 0000 . 0 . 0. 00 . 0. 0. . 0. 0.	. 0. 0. . 0. 0. 00. 00 	000000 00.00 .0.0. .0.0.	. 0. 0. . 0. 0. . 0. 00 . 0 . 0. 00 . 0. 0. . 0. 0.	00000	. 0. 0. . 0. 0. 00. 00 00. 00 . 0. 0. . 0. 0.	0 000000 000000
D0H	. 0. 0. . 0. 0. . 0. 0. 000000	000000	00000 . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. . 0000	0 000 0 000	000 0 000 0 0	. 0000 . 0. 0. . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. 00000 . 0. 0. . 0. 0. . 0. 0.	0 000000 0 000000 0 0	0 0 000	000 0 0	00000 00000 00000 00000 00000 00000 0000	00000 00000 00000 00000	000 000 000 000 000 000	000 000 000 000 000 000 000	000000000000000000000000000000000000000
E0H	0 .00.0 00. 00. 0.0.0 00.0	00. .0.0 .000. .0.0 .0.0 .000. 00	00000 00 0 0 0 0	00000 . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. 0 00	00000	000 .0 0.0. 00. 00 00. .00.	00 00 000 000.0 0	00000	. 000. . 000. 0. 0. 0 0. 0. 0 0. 0. 0 . 000. . 000.	.000. 00 00 00000 00 00 .000.	. 000. 0 0 0 0 0 0 0 0 . 0. 0. 00. 00	. 0000 0 . 0 . 000. 00 00 . 000.	.0.0. 0.0.0 .0.0.	0 .000. 0.0.0 0.0.0 .000. 0	. 000. 0 0 0000. 0 0 . 000.	.000. 00 00 00 00 00 00
F0H	00000	0 000000 .0 .0 000000	0 .0 0. 0. 000000	0. 0.	0. 0.0 0 0 0 0	0 0 0 0 0.0	00000	.00.0	. 000.	.00		. 0000 . 0 . 0 . 0 00 . 0	. 0. 0. . 00. 0 . 0 0 . 0 0	00. .00 0. .0000	000 000 000 000 000	

Table 7-7

	00	01	02	03	04	05	06	07	80	09	0A	0B	0C	0D	0E	0F
80H	. 0000 0 0 . 0000 0 . 0	. 0. 0. 0 0 0 0 0 0 0 00 00	0. .000. 00 00000 0	0 .000. 0 .0000 00 .0000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0 . 000. 0 . 0000 0 0 . 0000	0 .0.0. .0000 .0000 00 .0000	. 0000 0 0 . 0000 0 . 0	0 .000. 00 00000 0 .000.	0 00000 0 0000. 0 00000	. 0 . 000. 0 0 00000 0 . 000.	. 0. 0. . 00 . 0 . 0 . 00.	0 .0.0. .00 0 0 .000.	. 0 . 0 . 00 . 0 . 0 . 00.	. 0. 0. . 000. 0 0 00000 0 0 0 0	0 .0.0. .00. 00 00000 00
90H	0. 00000 0 0000. 0 00000	00.00 0.0 00000 0.0 00.00	. 0000 0. 0 0. 0 0. 000 000 0. 0 0. 000	0 .0.0. .000. 00 00 .000.	. 0. 0. . 000. 0 0 0 0 . 000.	. 0 . 00. . 000. 0 0 0 0 . 000.	0 .0.0. 0 00 00 000 .00.0	0. 0. 00 00 000 00	. 0. 0. 0 0 0 0 . 0000 0 0000.	. 0. 0. . 000. 0 0 0 0 0 0 0	. 0. 0. 0 0 0 0 0 0 0 0 0 0 000.	0. .000. 0.0.0 0.0.0 .000. .0	00. .00 .0 0000. .0 0 00000	0. .000. 0.0.0 0.0.0 0.0.0 .000. .0	0000. 00 0000. 00. 0.000 00. 000	0. 0.0 0 .000. 0 0.0
A0H	0. .000. 0 .0000 00 .0000	0. 0 0 0 0 00.	0. 00. 00 00 .000.	0. 0 00 00 000 00	. 00. 0 0. 00. 0. 00. 00 0 0 0 0 0	. 00. 0 0. 00. 00 0 0. 0. 0 0. 0 0 0 00 0 0	. 000. 0 . 0000 0 0 . 0000	. 000. 0 0 0 0 0 0 . 000. 	0 0 00 00	00000 0 0	00000	00. 0.0 0.00. .0.00. .0.0 0. .0000	00. 0.0.0 00.00 00 00 .000 00	0 0 0 0 0 0	0. .0.0. 0.0. .0.0. .0.0. 0.0	00 .000. 00 00 00 .000. 00
B0H	.0.0. 0.0.0 0.0.0 0.0.0 .0.0 0.0.0	0.0.0 .0.0. 0.0.0 .0.0. 0.0.0 .0.0 0.0.0	00000 00000 00000 00000 00000 00000 0000	0 0 0 0 0 0	0 0 000 0 0	0 000 0 000 0	. 0. 0. . 0. 0. . 0. 0. 00. 0. . 0. 0. . 0. 0. . 0. 0.	0000. . 0. 0. . 0. 0. . 0. 0.	000 0 000 0	. 0. 0. . 0. 0. 00. 0. 0. 00. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0.	0000. 0. 00.0. .0.0. .0.0.	. 0. 0. . 0. 0. 00. 0. 0. 0000.	. 0. 0. . 0. 0. . 0. 0. 0000.	0 0 00 0 000	000 0 0
СОН	0 0 000	0 0 000000	 00000 0 0 0	0 0 000 0 0 0	00000	0 0 000000 0 0	0 000 0 000 0 0	. 0. 0. . 0. 0. . 0. 00 . 0. 00 . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 00 . 0 . 0000	. 0000 . 0 . 0. 00 . 0. 0. . 0. 0.	. 0. 0. . 0. 0. 00. 00 	000000	. 0. 0. . 0. 0. . 0. 00 . 0 . 0. 00 . 0. 0. . 0. 0.	00000	. 0. 0. . 0. 0. 00. 00 00. 00 . 0. 0. . 0. 0.	0 000000 000000
D0H	. 0. 0. . 0. 0. . 0. 0. 000000	00000 00000 0	 000000 .0.0. .0.0. .0.0.	. 0. 0. . 0. 0. . 0000	0 000 00 000	000 0 000 0 0	. 0000 . 0. 0. . 0. 0. . 0. 0. . 0. 0.	. 0. 0. . 0. 0. . 0. 0. 00000 . 0. 0. . 0. 0. . 0. 0.	0 00000 0. 00000 0. 0.	0 0 000	000 0 0	00000 00000 00000 00000 00000 00000 0000	00000 00000 00000 00000 00000	000 000 000 000 000 000	000 000 000 000 000 000 000	00000 00000 00000 00000
E0H	0 .00.0 00. 00. 0.0.0 00.0	00. .0.0 .000. .0.0 .0.0 .0.0 .000.	00000 00 0 0 0 0	00000 . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. 0 00	00000 . 0 0 0 0 . 0 0 00000	000 .0 0.0 00. 00 00. .00	00 00 000 000.0 0	00000 . 0 . 0 . 0 00.	. 000. . 000. 0. 0. 0 0. 0. 0 0. 0. 0 . 000. . 000.	.000. 00 00 00000 00 00 .000.	. 000. 0 0 0 0 0 0 0 0 . 0. 0. 00. 00	. 0000 0 . 0 . 000. 0 0 0 0 . 000.	. 0. 0. 0. 0. 0 . 0. 0.	0 .000. 0.0.0 0.0.0 .000. 0	. 000. 0 0 0000. 0 0 . 000.	.000. 00 00 00 00 00 00
F0H	00000	0 0 000000 0 0 000000	0 .0 0. 00000 00000	0. 0.	0. 0.0 0 0 0 0	0 0 0 0 0.0 .0	00000	. 00. 0 0. 00. . 00. 0 0. 00.	. 000. . 0. 0. . 000.	. 00 . 00		. 0000 . 0 . 0 . 0 . 0 00	. 0. 0. . 00. 0 . 0 0 . 0 0	00. .00 0. .0000	000 000 000 000 000	

Table 7-8

7.9 Page 6 (Slavonic) (80H – FFH)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H	. 000. 0 0 0 . 000. 0. . 000.	. 0. 0. 0 0 0 0 0 0 0	0. .000. 00 00000 0	0 .000. 0 .0000 00 .0000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	0 0. 00 00 00 0	0. .0000 0 0 .0000	. 000. 0 0 0 . 000. 0. . 000.	. 00 0 00. 0 . 00 . 00 . 000.	. 0. 0. . 000. 0 0 00000 0 . 0000	0.0 .000. 00 00 00 00 .000.	0.0 .000. 00 00 00 00 .000.	0 .0.0. .00 0. 0. .000.	0. 000000 0. 0. .0 00000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	0. .0000 0 0 0 .0000
90H	0. .000. 00 00000 0	0. 0 0 0 0 0 00000.	0. 0 0 0 0	0 .000. 00 00 00 0	. 0. 0. . 000. 0 0 0 0 0 0 0	. 0. 0. 0 0 0 0 0 0000.	. 0. 0. . 0 . 00 . 0 . 0 . 00.	0 .0000 0 .000. 0 0000.	0 .0000 0 .000. 0 0000.	. 0. 0. . 000. 0 0 0 0 0 0 0	. 0. 0. 0 0 0 0 0 0 0 0 000.	. 0. 0. 0 . 000. 0 0. 0 0.	. 0. 0. 0 . 000. 0 0. 0 0.	. 00 0 00. 0 . 00 00 000.	00 .0.0. .0.0. .0.0. 0.0.0	. 0. 0. . 0000 0 0 0 . 0000
A0H	0. .000. 0 .0000 00 .0000	0. 0 0 0 0	0. .000. 00 00 00 0	0. 0. 00 00 00 0	. 000. 0 . 0000 0 0 . 0000 0. 000	. 000. 0 0 0 . 0000 . 000 . 0 . 000	. 0. 0. . 0 000000 0. 0 . 0 00000	. 0. 0. 0 000000 0. 0 . 0 00000	. 000. 00 00000 0 . 0000 0. . 000	. 000. 00 00000 0 . 0000 0. . 000	·····	0. 000000 0. 0. .0 00000	. 0. 0. . 0000 0 0 0 . 0000	. 0000 0 . 000. 0 0000. 0 000	0. .0.0. 0.0. .0.0. .0.0. 0.0	. 0 0. 0 . 0. 0. 0. 0 . 0. 0. 0. 0 . 0
B0H	0.0.0	0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0 0. 0. 0 . 0. 0	00.00 .000. 00.00 .000. 00.00 .000. 00.00	0 0 0 0 0 0	0 0 0 0 0	0. .000. 0 .0000 00 .0000	0. .000. 0 .0000 00 .0000	. 0. 0. . 000. 0 0 00000 0 . 0000	. 0000 0 . 000. 0 0000. 0. 000	·····			·····	0 .000. 0 000000 0. .0 00000	0 .000. 0 000000 0. .0 00000	·····
СОН			·····	·····	00000	0 0 000000 0 0	. 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	·····	·····	·····	·····	·····	00000		00 .000. 00 00 00 .000. 00
D0H	00. 000 .000. 0.0. 0.0. 0.0.	00. 000 .000. 0.0. 0.0. 0.0.	.0.0. 0.0 .0000 00 00 .0000	. 0. 0. . 000. 0 0 00000 0 . 0000	. 0. 0. 0. 0 0 . 0000 0 0 0 0 0000	. 0. 0. 0 0. 00. 00 0 0 0 0 0	0. 0 0 0 0 0	0 .0.0. .00 0 .00.	. 0. 0. . 000. 0 0 00000 0 . 0000	·····		00000 00000 00000 00000 00000 00000 0000	00000	0 .000. 0 0. 0.0 00 00	0 .0.0. 0 00 00 00 .000.	00000
E0H	0. .000. 00 00 00 00 .000.	. 00 0 0. 000 0 0. 0 0. 000 0	0 .000. 00 00 00 00 .000.	0. 0 0.00. 000 00 00	0. 0 0.00. 000 00 00	. 0. 0. 0 0. 00. 00 0 0 0 0 0	. 0. 0. . 0000 0 . 000. 0 0000.	. 0. 0. . 0000 0 . 000. 0 0000.	0. 0 0.0 00.0. 0 0	0 .00 00 00 00 .000.	0. 0 0.0 00.0. 0 0	0.0 .0.0. 00 00 00 .000.	0. 00 .0.0. 0. 0. 0. 0.	0. 00 .0.0. 0. 0. 0. 0.	0 .000. 0 0 0.0 0. 0.	0. 0.
F0H	. 000.	. 0. 0.	 0 0	. 0. 0.	00	. 000. 0 000. 00 . 000. 0 . 000.	00000	0. 0 0000.	0 .0.0. 0.	. 0. 0.	. 0	0.0 .0.0. 00 00 00 0	. 0. 0. 0 0. 0 00. 0. 0 0	. 0. 0. 0 0. 0 00. 0. 0 0	. 000. . 000. . 000.	

Table 7-9

7.10 Page 7 (Russia) (80H – FF	·H)
--------------------------------	-----

	00	01	02	03	04	05	06	07	80	09	0A	0B	0C	0D	0E	0F
80H	.000. 00 00000 00 00 00	00000 0 0 0000. 00 00 0000.	0000. .00 .000. .000. .00 .00 0000.	00000 00 0 0 0 0	00. .00 00 00 .0.0 .000. 00	00000 0 0 00000 0 0 00000	0. 0. 0 0. 0. 0 . 000. . 000. . 000. 0. 0. 0 0. 0. 0	.000. 00 .000. 0 00 .000.	00 000 0.0.0 0.0.0 000 00 00	. 0. 0. 0. 0 0 0 0 0. 0 00 0 0 0	00 0.0. 00 0.0. 0.0. 0.0. 00	000 0.0 0.0 0.0 0.0 0.0 00	00 00.00 0.0.0 00 00 00 00	00 00 00000 00 00 00	.000. 00 00 00 00 00 .000.	00000 00 00 00 00 00 00
90H	0000. 00 00 0000. 0 0	. 000. 0 0 0 0 0 0 000.	00000 0 0 0 0 0	00 00 .0000 0 0 0 0000.	0 0.00. 0.0.0 0.0.0 0.0.0 .000. 0	00 00 .0.0. .0.0. .0.0. 00	00. 00. 00. 0000. 0.	00 00 00000 0 0	0. 0. 0 0. 0. 0 0. 0. 0 0. 0. 0 0. 0. 0 0. 0. 0	0.0.0	0 0 0000. 00 00 00 0.000.	00 00 000 0.0.0 0.0.0 0.0.0 0.0.0	00 .0 .0000 .00 .0.0 .0000	. 000. 0 0 000000 0 0 0 . 000.	00. 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0	.0000 00 00 .0000 0.0 .0.0 00
A0H	 0. 00. 00. 00. .00.0	00000 0 0000. 00 0000.	0000. 00 0000. 00 0000.	00000 0 0 0	00. .00 00 .000. 00	. 000. 0 0 00000 0 . 0000	0. 0. 0 . 000. . 000. . 000. . 000. 0. 0. 0	0 00 00 00 00 .000.	00 000 0.0.0 000 000	00000 00 000 0.0.0 000 00	0 0. 0. 0 00 0. 0 0. 0	000 0.0 0.0 0.0 .0.0 00	. 0. 0. 0. 0. 0 0. 0. 0 0 0 0 0	00 00 00000 00 00	. 000. 0 0 0 0 0 0 0 . 000.	00000 00 00 00 00 00
B0H	·····	·····	·····		·····	·····		·····	 	·····				·····		
СОН	·····	·····								·····			·····			
D0H	·····	·····	·····					 	 	·····		·····	·····	·····	·····	
E0H	0000. 00 00 0000. 0	. 0000 0 0 . 0000	00000	00 .0.0. .0 0	0 .000. 0.0.0 0.0.0 0.0.0 .000. 0	00 .0.0. .0.0. .0.0. 00	00. 00. 00. 00. 00000 0	00. 00. 0.0. 0000. 0.	0. 0. 0 0. 0. 0 0. 0. 0 0. 0. 0 00000	0. 0. 0 0. 0. 0 0. 0. 0 0. 0. 0 00000 0	0 0 000 00. 00. 000	00 00 000.0 000 000 0.00	00 .0 .000. .00 .00 .000.	0000. 00000 00000 00000	00. 0.0.0 00.0 0.0.0 0.0.0 0.0.0	. 0000 0 0 . 0000 0. 0 . 0. 0
F0H	.000. 00 .0000 00 00 .000.	. 0000 . 0 . 0 000 . 0 . 0	00. 0.0 00 0.0 0.0 0.0.0	00. 0.0. 0000. 0.0. 0.0. 0.0. 000 00	. 000. 0 0 0 0 00000 0 0 0 0 . 000.	00 .0.0. .000. .000. 0 0	00 .0.0. 0 0 0	0 0 0000. 00 00 00 00	0000. 0 .0000 00 .000.	. 0000 0 0000. . 0 . 0	00. 0.0 00 0.0 0.0 00	00. 0.0. 0000. 0.0. 0.0. 000 00	 . 000. 00 00000 00 . 000.	00 .0.0. .0.0. .000. .000.	00 .0.0. 0 0	·····

Table 7-10

7.11 Page 19 (PC858 Euro) (80H – FFH)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H	.000. 00 00 .000. .000. .000.	. 0. 0. 0 0 0 0 0 0 0 0 0 00 . 00. 0	0. .000. 00 00000 0 .000.	0 .000. 0 .0000 00 .0000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	. 0 . 000. 0 . 0000 0 0 . 0000	00. .000. 0 .0000 00 .0000	. 0000 0 0 . 0000 0. . 000.	0 .000. 00 00000 0 .000.	. 0. 0. . 000. 0 0 00000 0 . 000.	. 0 . 000. 0 0 00000 0 . 000.	. 0. 0. . 00 . 0 . 0 . 0 . 00.	0 .0.0. .00 0 0 .000.	. 0 . 0 . 00 . 0 . 0 . 00.	. 0. 0. . 0. 0. 0 0 00000 0 0 0 0	. 000. . 0. 0. . 000. 0 0 00000 0 0 0 0
90H	0. 000000 0 00000. 0	00. 0. . 0. 0 . 0000 0. 0 . 0000	000 .0.0. 0.0.00 0000. 0.00 0.00	0 .0.0. .000. 00 00 .000.	. 0. 0. . 000. 0 0 0 0 . 000.	. 0 . 00. . 000. 0 0 0 0 000.	0. 0 00 00 00 000 00	. 0 0 0 0 0 0 0 00 00	. 0. 0. 0 0 0 0 . 0000 0 . 000.	. 0. 0. . 000. 0 0 0 0 0 0 00.	. 0. 0. 0 0 0 0 0 0 0 0 0	0 .000. 0.0.0 0.0.0 .000. 0	00. .00 .0 0000. .0 .0 00000	0 .000. 0.0.0 0.0.0 0.0.0 .000. 0	00 .0.0. .0.0. .0.0. 0.0.0	0. 0.0 0 .000. 0 0.0
A0H	0. .000. 0 .0000 00 .0000	0. 0 0 0 0	0. 000. 00 00 000.	0. 00 00 00 00 000 00	. 0 0 0. 00. 0. 00. 00 0 0 0 0 0	. 0 0 0. 00. 00 0 0. 0. 0 0. 0 0 0 0 0 0	. 000, 0 . 0000 0 0 . 0000 00000	. 000. 0 0 0 0 . 000.	0 0 00 00 0	00 0.0 00 00 0.0	00000	00. 0.0 0.00. .0.00. .0.0 0. .0000	00 0.0.0 .0.00 0.0.0 .000 .000 0	0 0 0 0 0	0.0 .0.0. 0.0 .0.0. 0.0	0. 0 . 0. 0. 0. 0 . 0. 0. 0. 0.
B0H	0 00 0 0 0 0	. 0. 0. 0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0 0. 0. 0 . 0. 0.	0. 0. 0 . 0. 0. 0. 0. 0 . 0. 0 . 0. 0 . 0. 0 . 0. 0	0 0 0 0 0 0	0 0 000 0 0	0. .000. 00 00000 00 00	0 .000. 00 00000 00 00	. 0 . 000. 0 0 00000 0 0 0 0	00. .0 .0 .0	00. 00. 0000. 00. 00. 00.	00. 00. 00. 00. 00. 00.	0000. 0000. 00. 00. 00.	00. 00. 0000. 0000.	0 .0000 0.0 0.0 .0000 0	00 .0.0. 00000 0. 00000 0. 0.	000 0 0
Сон	0 0 000	0 0 000000	 00000 0 0 0	0 0 000 0 0 0	00000	0 0 000000 0 0	.00 0.00. .000. 0 .0000 00 .0000	. 0 0 0. 00. . 000. 0 0 00000 0 0	00. 000 000 000	000 000 00. 00. 00.	00. 00. 00000 00000	00000 00000 00. 00. 00.	00. 000 000 000 00. 00. 00.	00000	00. 00. 00000 00000 00. 00. 00.	00 .000. 00 00 .000. 00
D0H	. 0. 0. 0 . 0. 0. 0 . 0000 0 0 . 000.	000 .0.0. .0.0 000.0 .0.0 .0.0	0 00000 0 0000. 0 00000	. 0. 0. 00000 0 0000. 0 00000	. 0 00000 0 0000. 0 00000	00. .00 000 .0 000 .00 00.	0. .000. 0 0 0 0	0 . 0. 0. . 000. 0 0 . 000.	. 0. 0. . 000. . 0 . 0 . 0 . 000.	0 0 000	000 0 0	00000 00000 00000 00000 00000 00000 0000	00000 00000 00000 00000	0 0 0 0	. 0 . 000. . 0 . 0 . 0 . 0 . 000.	00000
E0H	0. .000. 00 00 00 00 .000.	00. .00 .000. .00 .00 .000. 00	0 .000. 00 00 00 00 .000.	. 0 . 000. 0 0 0 0 0 0 0	. 0 0 0. 00. . 000. 0 0 0 0 . 000.	. 0 0 0. 00. . 000. 0 0 0 0 0 0 000.	00. 00. 00. 000.0 0	00 .000. .00 .000. .0 .0 .000.	000 .000. .00 .00 .000. .0	0. 00 00 00 00 00 000.	0 00 00 00 00 00 00 .000.	. 0 0 0 0 0 0 0 0 0 0 0 000.	0. 00 00 .0000 0 .0000	0. 0.0.0 00 .0.0. 0 0 0	00000	0. 0.
F0H	00000	0. 0.	00000	0 000000 0 0 000000	00000	00 00 0.0 00.00 00 0	. 0000 000. 0 000. 0 . 00. 0 0. 0 0. 0	. 00 00 000000	0. 0.	. 00 0 0. . 00	. 0. 0.	. 00	0 . 00 0 . 00 . 000.	000 000 000 000	0000. 0000. 0000. 0000.	

Table 7-11

7.12 Page 16 (WPC1252) (80H – FFH)																
	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H	00. .00 000 .0 000 .0.0 00.	. 0. 0.	00. 0. 0.	00 0 000000 0 0 00	 00. 00 . 0 0 0 0.	0. 0. 0	0 000000 0 0 0	0 000000 0 000000 0 0		00 000 00. 00 00.00 00.00	. 0. 0. . 0000 0 . 000. 0 0000.	0. 0. 0 0	.0000 0.0 0.000 0.0 0.000 0.0 .0000	·····	. 0. 0. 0. 000000 0. 0 . 0 00000	·····
90H	·····	0. 0 00.	0. 0. 0.	. 0 0 0 0. 00. 00	00.00	0 .000. .000. 0.	. 0000	00000	. 00. 0	000.0	. 0. 0. . 000. 0 . 000. 0 . 000.	. 0 0 0. 0. . 0	. 0. 00 0. 0. 0 0. 000 0. 0 . 0. 00	·····	0.0 0. 000000 0. 0. 00000	. 0. 0. 0 0 . 0. 0. . 0 . 0 . 0
A0H	·····	0 0 0 0	0 .0000 0.0 0.0 .0000 0.	00. .00 .0 0000. .0 0 0.000	00 .000. 00 00 .000. 00	00 .0.0. 00000 0. 00000 0. 0.	0 0 0 0 0	. 000. 0 0 0 . 000. . 000. 0 . 000.	. 0. 0.	. 000. 0 0 . 00. 0 . 00. 0 . 00. 0 0 0 . 000.	00. 00 00 00 000	0.0 .0.0. 0.0 .0.0. 0.0	00000	. 000.	0000. 000.0 00.0 0.0 0.0 0.0 0000.	. 000.
B0H	00. .00 00.	0 000000 0 0 00000	. 00 0 0. 0 0000.	. 00 0 0. 0 0 0. . 00	0. 0.	00. 00. 00. 00. 000.0 0	.0000 000.0 000.0 .00.0 .0.0 0.0 0.0	00.		0 .00 0 .0 .000.	00. .0.0 .0.0 00.	0. 0 . 0. 0. . 0. 0. . 0. 0. . 0. 0.	00 0.0.0 .0.00 0.0.0 0.0.0 000 0	00. 0.0 0.000 0 0 0	000 .0.0. 00.0 .000 000.0 000 00	0 00 00 00
Сон	. 0 0 . 0. 0. 0 0 000000 0 0	0. 0 .0.0. 00 000000 00	.000. 00 .0.0. 00 00 00000 00	. 00. 0 0 0. 0 0. 0. 0 00000 0 0	00 0. 00 00000 00	. 000. . 0. 0. . 000. . 0. 0. 0 0 00000 0 0	. 0000 0. 0 0. 0 0. 000 000 0. 0 0. 000	. 000. 0 0 0 0 . 000. 0 . 00	. 0 00000 0 00000 0 00000	0. 00000 0 00000 0 00000	0 00000 0 00000 0 00000	. 0. 0. 00000 0 00000 0 00000	. 0 . 000. . 00. . 0 . 0 . 0 . 000.	0. .000. 0 0 0 0	0 .000. 0 0 0 0	. 0. 0. . 000. . 0 . 0 . 0 . 0 . 000.
D0H	.000. .00 000.0 .00 .00 .00	.00.0 00. 00.0 00.0 0.00 0.00 000	.0 .000. 00 00 00 0	0. .000. 00 00 00 0	. 000. 0 0 . 000. 0 0 0 0 0 0 . 000.	.00.0 0.0. .000. 00 00 00 .000.	. 0. 0. . 000. 0 0 0 0 0 0 000.	00 .0.0. .0.0. .0.0. 00	.00.0 0.0.0 0.0.0 0.0.0 0.0.0 .0.0 0.00	.0 00 00 00 00 00 .000.	0. 00 00 00 00 00 .000.	0. 0 00 00 00 0	. 0. 0. 0 0 0 0 0 0 0 0 0 0 000.	0. 00 .0.0. 0 0	0 0000. 00 00 0000. 0	. 00 0 0. 0. 0 0. 0 0 0. 0 0. 0. 0
E0H	. 0 . 000. 0 . 0000 0 0 . 0000	0 .000. 0 .0000 00 0.0000	.000. 00 0 .000 .0000 00 .000.	.00.0 0.0. 00. 0 .0000 00 .0000	. 0. 0. . 000. 0 . 0000 0 0 . 0000	00. .0.0 .000. 0 .0000 00 .0000	00. 0. . 0. 0 . 0000 0. 0 00. 00	. 0000 0 0 . 0000 0. . 000.	. 0 . 000. 0 0 00000 0 . 0000	0. .000. 00 00000 0 .0000	. 000. 0 0 . 000. 0 0 00000 0 . 0000	. 0. 0. . 000. 0 0 00000 0 . 0000	.0 .00 .00 .0 .0 .00.	0. 0 0 0 0 00.	. 000. 0 0 00 . 00 . 00 . 00 . 000.	. 0. 0. . 00 . 0 . 0 . 0 . 0 . 000.
F0H	. 0 0 00. . 0. 0. . 0000 0 0 . 000.	0.00.0 0.00. 0.00. 00.00. 00.00 00 00	.0 .000. 00 00 00 .000.	0. 000. 00 00 0	0 .0.0. .000. 00 00 .000.	.00.0 0.0. .000. 0.00 0.00 .000.	. 0. 0. . 000. 0 0 0 0 . 000.	00. .0000 00. 00.	. 00. 0 0 0. 0. 0. 0 . 0. 0 0. 00.	. 0 0 0 0 0 0 0 0 00 0 00 . 00. 0	0. 00 00 00 00 000 00	0 00 00 00 00 000 00	. 0. 0. 0 0 0 0 0 0 0 00 . 00. 0	0. 0 00 00 .0000 0 .000.	0 0 0000. 00 0000. 0 0	. 0. 0. 0 0 0 0 . 0000 0 . 000.
	Table 7-12															

Table 7-12

7.13 Page 12 (Greek) (80H – FFH)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
80H	.000. 00 00 0.0000 00 00	0000. 00 00 0000. 00 00 00	00000 00 0 0 0 0 00	0. 0 00 00 00 00 0.0000	00000 0 0 0000. 0 0 00000	00000 0. 0. .0 0 00000	00 00 00000 00 00 00 00	. 000. 00 00.00 00000 00.00 00 . 000.	. 000. 0 0 0 0 . 00.	00 0.0 00 0.0 0.0 0.0 00	0 00 00 00 00 00	00 00.00 0.0.0 0.0.0 00 00 00	00 000 00.0 0.00 000 000 00	00000	.000. 00 00 00 00 00 0	00000 . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0. . 0. 0.
90H	0000. 00 00 0000. 0 0	00000 00 0 .0 .0.0 00000	00000	00 00 .0.0. 0 0 0	00000 0 00000 0.0.0 00000 0 00000	00 00 .0.0. 0. .0.0. 00 00	0. 0. 0 0. 0. 0 0. 0. 0 0. 0. 0 . 000. . 000. . 000.	. 000. 0 0 0 0 0 0 0 0 . 0. 0. 00. 00	. 000. 0 0. 0 0. 0 0. 0 0. . 0000	00. .0.0 .000. .0.0 .0.0 .000. .000.	00 00 00 .0.0. 0	. 0000 0 . 00 0 0 0 0 . 000.	. 0000 0 00000 0 . 0000	00000 0. .0 .0 .000 0.	0. 00. 00 0 0 0 0 0 0 0	. 000. 0 0 0 0 000. 0 0 0 0 00.
A0H	0 0 0 0 0	00 00. 000 00. 00.	. 0 . 0 . 0 . 0. 0. 0 0	00. 00. 00. 000.0 0	00 00 00 0 0.	0000. 0 0000. 0 .0 0000.	 00 00 00 00 .000.	00000 . 0. 0. . 0. 0. . 0. 0. . 0. 0. 0 0.	0000. 00 0000. 0 0	. 0000 0. 0 0 0. 0 0. . 0	. 0000 0 . 000. 0 0000.	00000	00 00 00 00 00 .000.	0 .000. 0.0.0 0.0.0 0.0.0 .000. 0	00 .0.0. .0.0. .0.0. .0.0. 00	0. 0. 0 0. 0. 0 0. 0. 0 . 000. . 0
B0H	·····						·····	·····	·····	·····	·····	·····				
СОН	·····	·····	·····	·····					·····							
D0H	·····	·····	·····		·····											
E0H	00 00 0.0.0 0.0.0 .000.	·····			·····			·····	·····	·····	·····	·····				
F0H	·····	·····	·····	·····	·····					00. .00 .0 0000. .0 .0 00000						

Table 7-13

APPENDIX A: Customer Display Dimension



APPENDIX B: Display Base Dimension



Unit : mm



APPENDIX D: Pass Through installation Guide



*Only for CD5220/UTC/EMAX/EscPOS/DSP-800 emulation command sets. *If printer is EPSON TM serail printer then the pass through cable

and display cable are same.