

WinPOS

USER MANUAL

Panel Thermal Printer

Model: **WP-K617**



WP-K617H



WP-K617V

Version: 1.01

March 4, 2013

WP-K617 Panel Thermal Printer

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WP-K617 Panel Thermal Printer

1. General Description

1.1 Overview

The WP-K617 panel thermal printer is perfect solution for kiosk, POS, vending machines, medical equipments, weighing systems and so on. It is very compact and light that can be easily installed on any type of machinery.

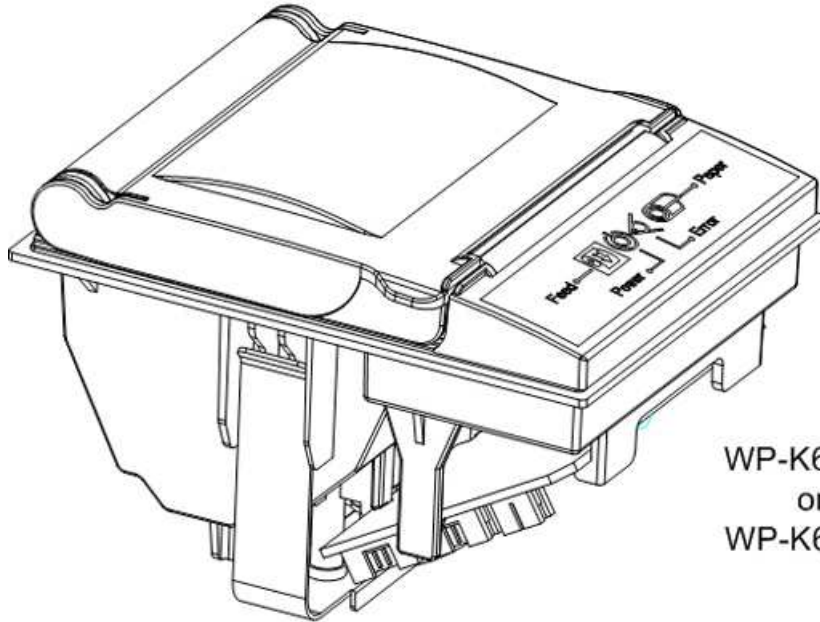
1.2 Features

1. Compact panel thermal printer.
2. Easy-installing design.
3. Reliable printing quality.
4. Easy-loading design.
5. Can be installed horizontally or vertically.
6. Command protocol is compatible with ESC/POS.
7. The data buffer has storage capacity that enables receiving data while printing.
8. Paper end, paper near end, cover open and printer head overheat are detectable.

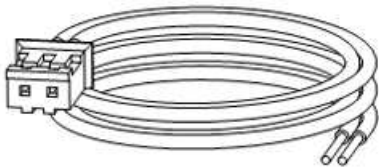
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1.3 Packaging

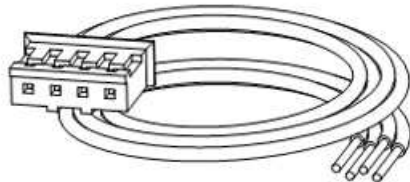
The WP-K617 printer and the parts listed below are packed in the box.



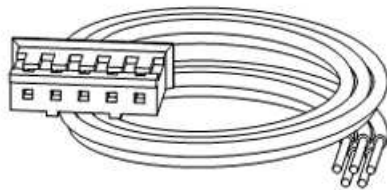
WP-K617H
or
WP-K617V



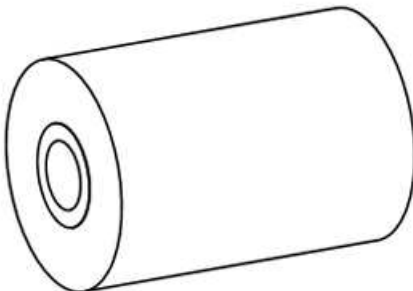
Power wire/PH2.0 p2p



USB wire/PH2.0 p4p



RS232 wire/PH2.0 p5p



Paper roll

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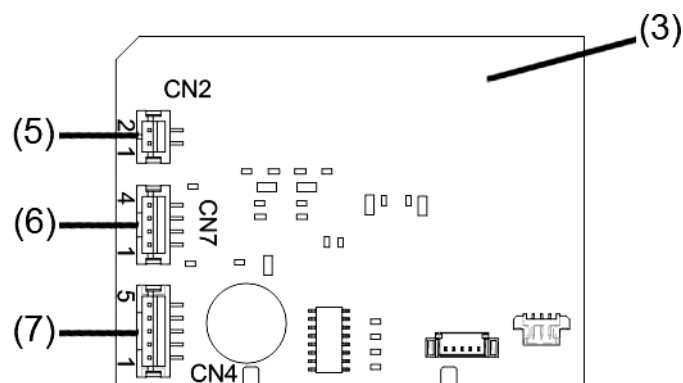
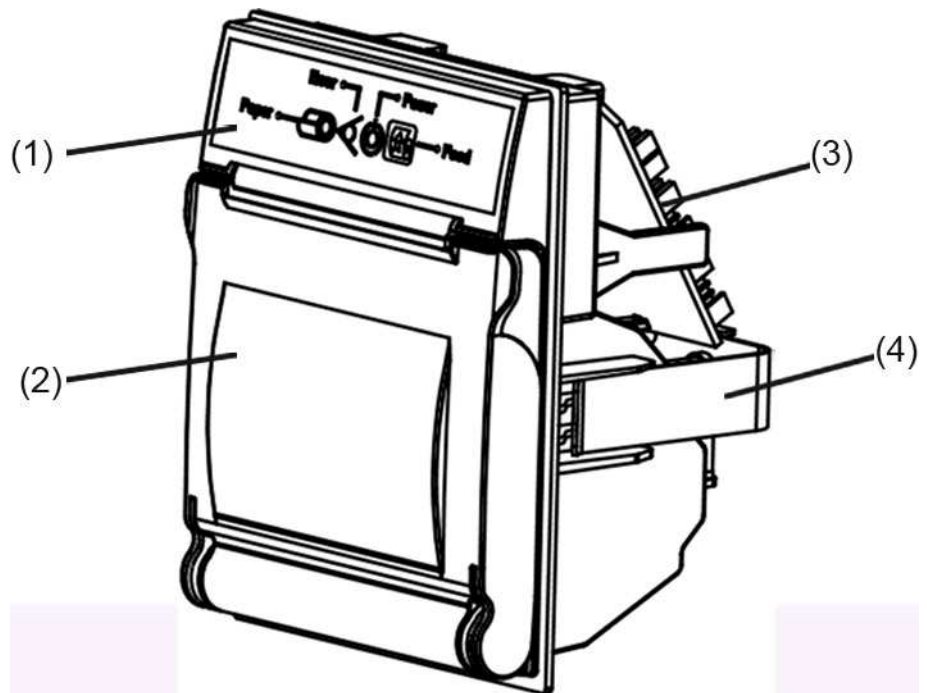
2. Main Specifications

Printing method	Thermal line		
Printing speed	75 mm/s		
Character structure	Alphanumeric	Alphanumeric	Chinese
	12 x 24 (Font A)	9 x 17 (Font B)	24 x 24
Number of columns	32 columns	42 columns	24 columns
Character size	1.41(W) x 3.0(H)	1.1(W) x 2.0(H)	3.0(W) x 3.0(H)
Fonts	USA, Europe, Chinese, Japanese, Thai, Korean Multilingual code page x 12.		
Bar Code	UPC-A, UPC-E, EAN13, EAN8, CODE39 IFT, CODABAR, CODE93 and CODE128		
Detector	Paper end, Paper near end, Cover and Overheat		
Paper	Single-ply thermal paper roll		
Paper roll	57±0.5(W) x 50mm (Dia.)		
Paper thinness	0,05 ~ 0.06(mm)		
Reliability	Head	50KM	
Memory	Buffer	4K bytes	
	Flash	512K bytes	
Interface	RS-232C and USB		
Power supply	12VDC / 3A		
Weight	Approx. 500g		
Dimension	90(W) x 79 (D) x 111(H) mm		
Operating temp.	0 to 45°C		
Operating humidity	10 ~ 90 RH		
Storage temp.	-10 to 50°C		
Storage humidity	10 ~ 90 RH		

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3. Appearance Description

1. Control Panel
2. Printer Cover
3. Main PCB
4. Fixing Bracket
5. Power Connector
6. USB Connector
7. RS-232 Connector

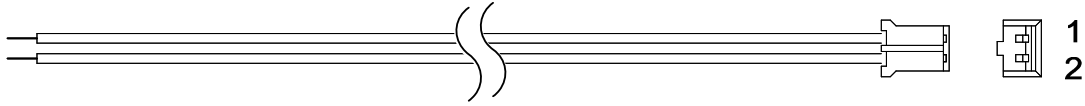


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4. Installation

4.1 Connector Specifications

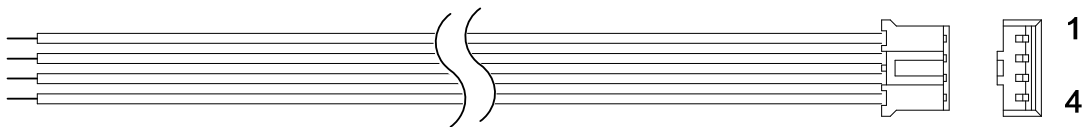
1. Power wire



Pin assingment (Printer side)

pin	color	fun.
1	Red	Vin 12Vdc 2.5A
2	Black	GND

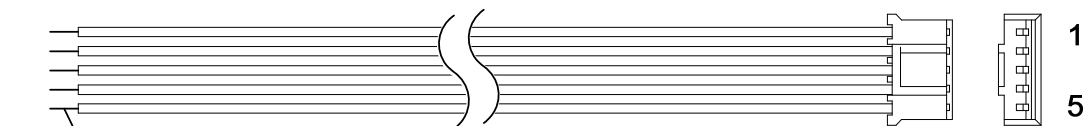
2. USB wire



Pin assingment (Printer side)

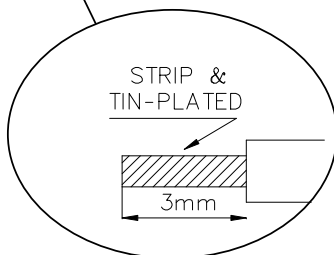
pin	color	fun.
1	Red	Vbus
2	White	D-
3	Green	D+
4	Black	GND

3. RS-232 wire



Pin assingment (Printer side)

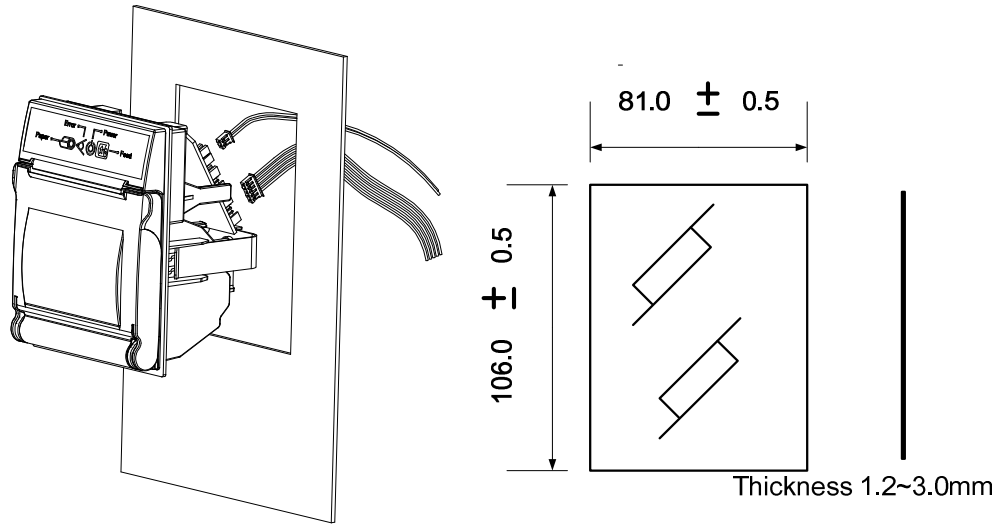
pin	color	fun.
1	Brown	TXD
2	Orange	RXD
3	Yellow	DTR
4	Blue	DSR
5	Black	GND



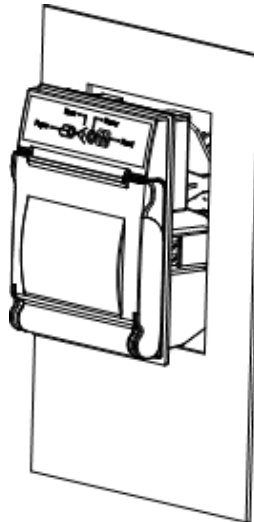
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4.2 Printer Installation

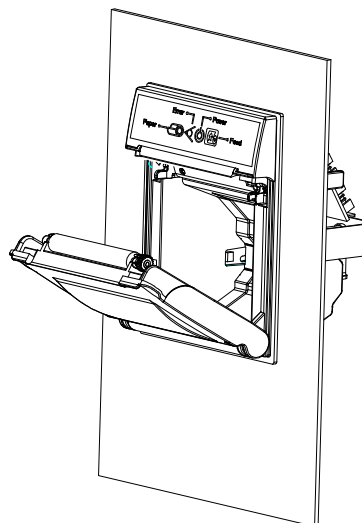
1. Connect power wire and data wire.



2. Embed the printer into panel.

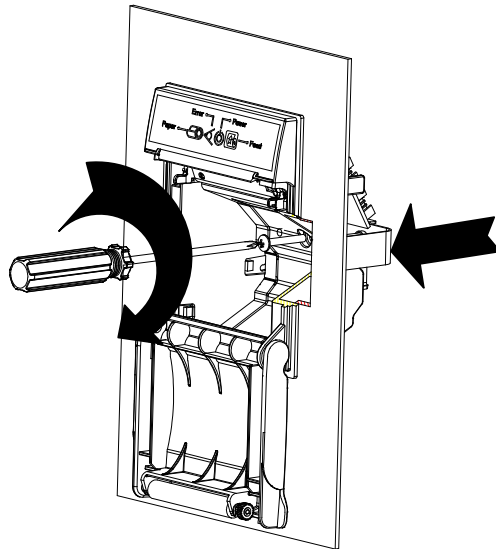


3. Open the printer cover.

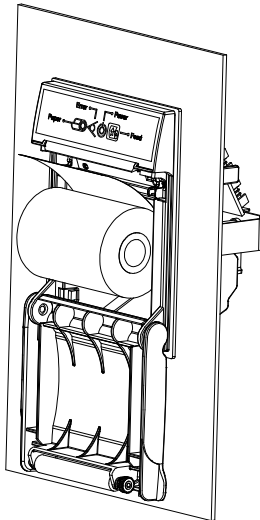


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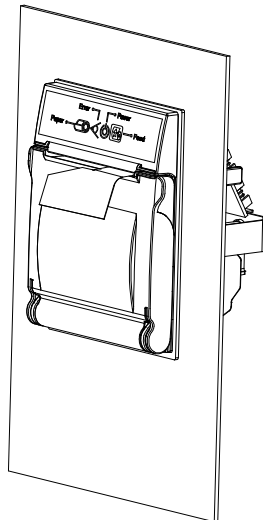
4. Screw the fixing bracket to lock the printer.



5. Load the paper roll.



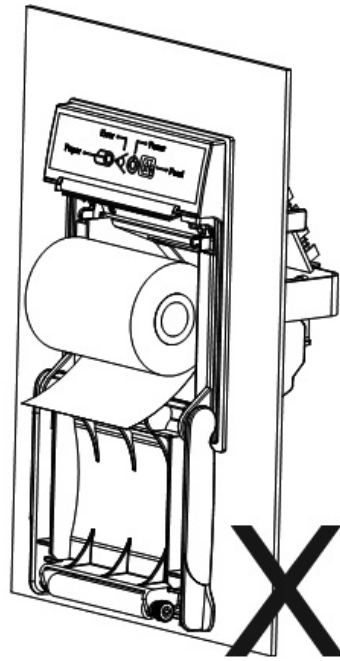
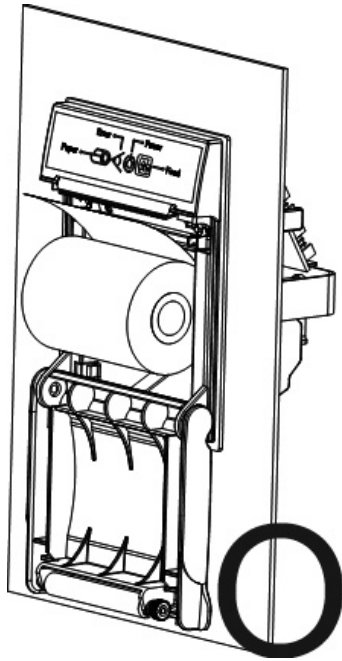
6. Close the printer cover and tear off thermal paper.



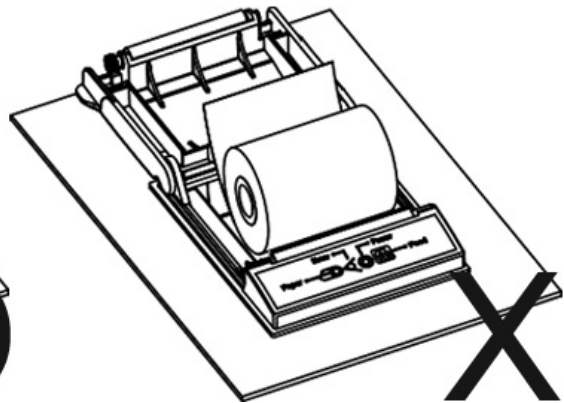
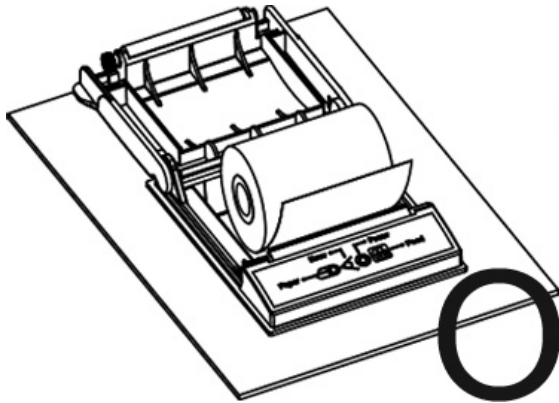
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4.3 Paper Loading

1. WP-K617V



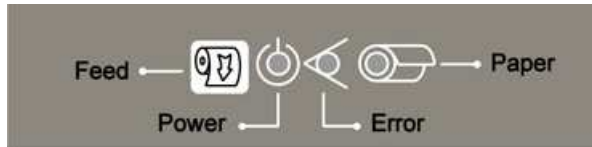
2. WP-K617H



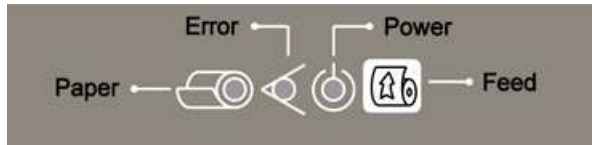
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5. Control Panel

- WP-K617V



- WP-K617H



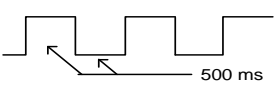
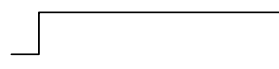
5.1 Basic Operation

1. Feed button

When this push-button switch is pressed once briefly (for 0.5 seconds or less), the paper is fed forward by one line. When it is held down continuously, the paper is fed forward continuously until the switch is released.

2. Power LED indicator

- The light indicates power well connected.
- The indicator keeps sparkling when printer process in self-test or hexadecimal dump mode.
- The flash timing chart shows as below.

Printer status	Blinking Pattern
Self-Testing	ON  OFF
Paper end	ON  OFF

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3. Paper LED indicator

The indicator remains lighting when paper near end or paper end.

4. Error LED indicator

When printer cover is not properly closed or paper roll is not loaded properly, the error indicator lamp (red LED) will light.

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5.2 Self Test Mode

Turn the power on while holding the feed button depressed. Self-test receipt will be printed out (Ref. the right receipt).

When the feed button is pressed again the printer will print self-test receipt again.

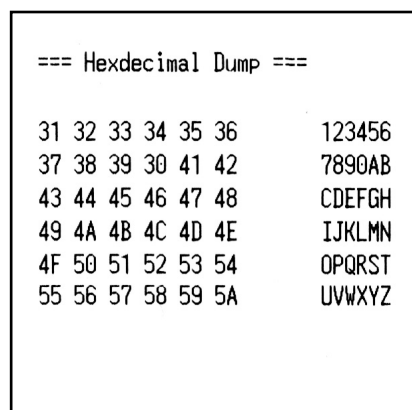
To turn off this mode, it is necessary to turn off the printer power completely.



5.3 Hexadecimal Dump Mode

Open the printer cover. Turn on power while holding the feed button depressed. Then close printer cover. The printer will be set to hexadecimal mode.

Each of the signals sent from the computer to the printer will be printed out in hexadecimal code. This function allows user to check control code.



To turn off this mode, it is necessary to turn off the printer completely.

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6. Interface Specification

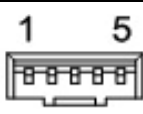
6.1 Serial interface specifications

1. Specifications (Conform to RS-232C)

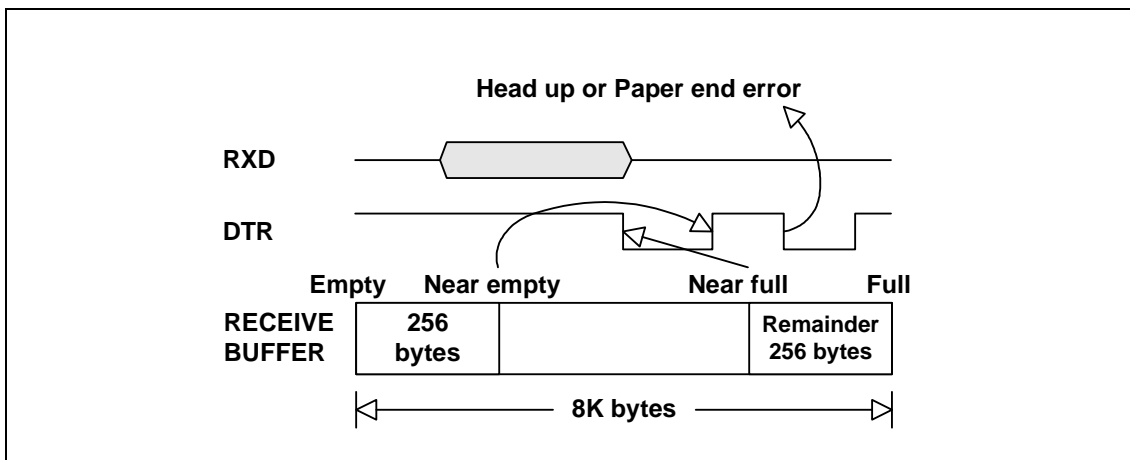
Synchronizing system	Asynchronous system
Handshaking	DTR/DSR control
Baud rates	9600
Data length	Fixed 8 bit length
Parity	None

2. Pin assignment

No	Signal Name	I/O direction	Signal description
1	TXD	Output	Transmit data
2	RXD	Input	Receive data
3	DTR	Output	Data terminal ready
4	DSR	Input	Data set ready
5	GND	-	Signal ground



3. Timing Chart



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6.2 USB interface specifications


1. Specifications

USB specification 2.0 compliant, full speed mode (12 Mbps).

2. Pin assignment

No.	Signal Name	Function
1	5VDC	Power input
2	USBD-	USB data signal -
3	USBD+	USB data signal +
4	GND	Signal ground

1 4



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7. Commands

Command	HT
Code (Hex)	09
Name	Horizontal tab
Command	LF
Code (Hex)	0A
Name	Print and line feed
Command	DLE EOT n
Code (Hex)	10 04 n
Name	Real-time status transmission
Command	DLE DC4 n m t
Code (Hex)	10 14 n m t
Name	Generate pulse at real-time
Command	ESC SP n
Code (Hex)	1B 20 n
Name	Set right-side character spacing
Command	ESC ! n
Code (Hex)	1B 21 n
Name	Select print mode(s)
Command	ESC \$ nL nH
Code (Hex)	1B 24 nL nH
Name	Set absolute print position
Command	ESC % n
Code (Hex)	1B 25 n
Name	Select/cancel user-defined character set
Command	ESC * m nL nH d1...dk
Code (Hex)	1B 2A m nL nH d1...dk
Name	Select bit-image mode

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Command	ESC – n
Code (Hex)	1B 2D n
Name	Turn underline mode on/off
Command	ESC 2
Code (Hex)	1B 32
Name	Select default line spacing
Command	ESC 3 n
Code (Hex)	1B 33 n
Name	Set line spacing
Command	ESC = n
Code (Hex)	1B 3D n
Name	Set peripheral device
Command	ESC ? n
Code (Hex)	1B 3F n
Name	Cancel user-defined characters
Command	ESC @
Code (Hex)	1B 40
Name	Initialize printer
Command	ESC D n1...nk NUL
Code (Hex)	1B 44 n1 ...nk 00
Name	Set Horizontal tab positions
Command	ESC E n
Code (Hex)	1B 45 n
Name	Turn emphasized mode on/off
Command	ESC G n
Code (Hex)	1B 47 n
Name	Turn on/off double-strike mode
Command	ESC J n
Code (Hex)	1B 4A n
Name	Print and feed paper

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Command	ESC M n
Code (Hex)	1B 4D n
Name	Select character font
Command	ESC R n
Code (Hex)	1B 52 n
Name	Select an international character set
Command	ESC \ nL nH
Code (Hex)	1B 5C nL nH
Name	Set relative print position
Command	ESC a n
Code (Hex)	1B 61 n
Name	Select justification
Command	ESC c 3 n
Code (Hex)	1B 63 33 n
Name	Select paper sensors to output paper end signals
Command	ESC c 4 n
Code (Hex)	1B 63 34 n
Name	Select paper sensor(s)s to stop printing
Command	ESC c 5 n
Code (Hex)	1B 63 35 n
Name	Enable/disable panel buttons
Command	ESC d n
Code (Hex)	1B 64 n
Name	Print and feed n lines
Command	ESC p m t1 t2
Code (Hex)	1B 70 m t1 t2
Name	Generate pulse
Command	ESC t n
Code (Hex)	1B 74 n
Name	Select character code table

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Command	ESC { n
Code (Hex)	1B 7B n
Name	Turns on/off upside-down printing mode
Command	FS p n m
Code (Hex)	1C 70 n m
Name	Print NV bit image
Command	GS ! n
Code (Hex)	1D 21 n
Name	Select character size
Command	GS * x y d1..d(x*y*8)
Code (Hex)	1D 2A
Name	Define downloaded bit image
Command	GS (A pL pH n m
Code (Hex)	1D 28 41
Name	Execute test print
Command	GS / m
Code (Hex)	1D 2F m
Name	Print downloaded bit image
Command	GS B n
Code (Hex)	1D 42 n
Name	Turn white/black reverse printing mode
Command	GS H n
Code (Hex)	1D 48 n
Name	Select printing position for HRI characters
Command	GS I n
Code (Hex)	1D 49 n
Name	Transmit printer ID
Command	GS L nL nH
Code (Hex)	1D 4C nL nH
Name	Set left margin

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Command	GS P x y
Code (Hex)	1D 50 x y
Name	Set horizontal and vertical motion units
Command	GS W nL nH
Code (Hex)	1D 57 nL nH
Name	Set printing area width
Command	GS a n
Code (Hex)	1D 61 n
Name	Enable/disable automatic status back(ASB)
Command	GS b n
Code (Hex)	1D 62 n
Name	Turns smoothing mode on/off
Command	GS f n
Code (Hex)	1D 66 n
Name	Select font for Human Readable
Command	GS h n
Code (Hex)	1D 68 n
Name	Select bar code height
Command	①GS k m d1,,,dk NUL , ②GS k m n d1...dn
Code (Hex)	1D 6B ①m d1,,,dk 00 , ② m n d1...dn
Name	Print bar code
Command	GS r n
Code (Hex)	1D 72 n
Name	Transmit status
Command	GS v 0 m xL xH yL yH d1...dk
Code (Hex)	1D 76 30 m xL xH yL yH d1...dk
Name	Print raster bit image
Command	GS w n
Code (Hex)	1D 77
Name	Set bar code width

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Command	FS ! n
Code (Hex)	1C 21 n
Name	Set print mode(s) for Kanji characters
Command	FS &
Code (Hex)	1C 26
Name	Select Kanji character mode
Command	FS - n
Code (Hex)	1C 2D n
Name	Turn underline mode on/off for Kanji characters
Command	FS .
Code (Hex)	1C 2E
Name	Cancel Kanji character mode
Command	FS C n
Code (Hex)	1C 43 n
Name	Select Kanji character code system
Command	FS S n1 n2
Code (Hex)	1C 53 n1 n2
Name	Set left- and right-side Kanji character spacing
Command	FS W n
Code (Hex)	1C 57 n
Name	Turn quadruple-size mode on/off for Kanji
Command	FS q n [xL xH yL yH d1...dk]1... [xL xH yL yH d1...dk]n
Code (Hex)	1C 71 n[xL xH yL yH d1...dk]1... [xL xH yL yH d1...dk]n
Name	Define NV bit image

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8. Character Code Tables

8.1 International Character sets

	Country	ASCII (Hexadecimal notation)											
		23	24	40	5B	5C	5D	5E	60	7B	7C	7D	7E
0	USA	#	\$	@	[	\	\]	^	`	{	|	}	~
1	France	#	\$	à	°	ç	§	^	`	é	ù	è	¨
2	Germany	#	\$	§	Ä	Ö	Ü	^	`	ä	ö	ü	β
3	U.K.	£	\$	@	[	\	\]	^	`	{	|	}	~
4	Denmark I	#	\$	@	Æ	Ø	Å	^	`	æ	ø	å	~
5	Sweden	#	¤	É	Ä	Ö	Å	Ü	é	ä	ö	å	ü
6	Italy	#	\$	@	°	\	é	^	ù	à	ò	è	ì
7	Spain I	Pt	\$	@	ı	Ñ	¿	^	`	¨	ñ	}	~
8	Japan	#	\$	@	[	¥	]	^	`	{	|	}	~
9	Norway	#	¤	É	Æ	Ø	Å	Ü	é	æ	ø	å	ü
10	Denmark II	#	\$	É	Æ	Ø	Å	Ü	é	æ	ø	å	ü
11	Spain II	#	\$	á	ı	Ñ	¿	é	´	ı	ñ	ó	ú
12	Latin America	#	\$	á	ı	Ñ	¿	é	ü	ı	ñ	ó	ú
13	Korea	#	\$	@	[₩]	^	´	{		}	~

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8.2 Characters: 00H to 7FH

	00	10	20	30	40	50	60	70
0	NUL	DLE	(SP)	0	@	P	`	p
1		XON	!	1	A	Q	a	q
2			“	2	B	R	b	r
3		XOF	#	3	C	S	c	s
4	EOT	DC4	\$	4	D	T	d	t
5	EN Q		%	5	E	U	e	u
6			&	6	F	V	f	v
7			‘	7	G	W	g	w
8		CAN	(8	H	X	h	x
9	HT)	9	I	Y	i	y
A	LF		*	:	J	Z	j	z
B		ESC	+	;	K	[k	{
C	FF	FS	,	<	L	\	l	
D	CR	GS	-	=	M]	m	}
E			.	>	N	^	n	~
F			/	?	O	_	o	(SP)

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8.3 Code Page 0: PC437 (USA, European Standard)

	80	90	A0	B0	C0	D0	E0	F0
0	ç	É	á	☐	Ł	⊥	α	≡
1	ü	æ	í	☐	⊥	⊥	β	±
2	é	Æ	ó	☐	⊥	⊥	Γ	≥
3	â	ô	ú		⊥	⊥	π	≤
4	ä	ö	ñ	⊥	—	⊥	Σ	∫
5	à	ò	Ñ	⊥	⊥	⊥	σ	∫
6	â	û	à	⊥	⊥	⊥	μ	÷
7	ç	ù	ó	⊥	⊥	⊥	τ	≈
8	ê	ÿ	ı	⊥	⊥	⊥	Φ	○
9	ë	Ö	ı	⊥	⊥	⊥	θ	●
A	è	Ü	ı	⊥	⊥	⊥	Ω	•
B	ï	ø	½	⊥	⊥	■	δ	√
C	î	£	¼	⊥	⊥	■	∞	ⁿ
D	ì	¥	ı	⊥	=	■	∅	²
E	Ä	Pt	«	⊥	⊥	■	€	■
F	Å	f	»	⊥	⊥	■	∩	(SP)

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8.4 Code Page 1: Katakana (Japanese)

	80	90	A0	B0	C0	D0	E0	F0
0	—	⊥		ー	夕	ミ	=	×
1	—	⊥	。	ア	チ	ム	卩	円
2	—	⊥	⌈	イ	ツ	メ	‡	年
3	—	⊥	⌋	ウ	テ	モ	‡	月
4	■	—	,	エ	ト	ヤ	▲	日
5	■	—	,	オ	ナ	ユ	▲	時
6	■	||	ヲ	カ	ニ	ヨ	▼	分
7	■	|	ア	キ	ヌ	ラ	▼	秒
8	|	⌈	イ	ク	ネ	リ	♠	〒
9	|	⌋	ウ	ケ	ノ	ル	♥	市
A	|	⌌	エ	コ	ハ	レ	♦	区
B	|	⌋	オ	サ	ヒ	ロ	♣	町
C	■	(	ヤ	シ	フ	ワ	●	村
D	■	)	ユ	ス	ヘ	ソ	○	人
E	■	⌒	ヨ	セ	ホ	ゝ	/	■
F	+	)	ツ	ソ	マ	。	\	(SP)

WP-K617 Panel Thermal Printer

8.5 Code Page 2: PC850 (Multilingual)

	80	90	A0	B0	C0	D0	E0	F0
0	ç	É	á	☐	Ł	ò	Ó	–
1	ü	æ	í	☐	⊥	Ð	β	±
2	é	Æ	ó	☐	⊥	Ê	Ô	=
3	â	ô	ú	|	†	Ë	Ò	¾
4	ä	ö	ñ	†	–	È	õ	¶
5	à	ò	Ñ	Á	†	€	Õ	§
6	â	û	ä	Â	ã	í	μ	÷
7	ç	ù	ó	À	Ã	î	þ	¸
8	ê	ÿ	ı	©	Ł	ï	ƒ	°
9	ë	Ö	®	‡	ŕ	Ƶ	Ú	¨
A	è	Ü	¬	||	⊥	ƒ	Û	•
B	ï	ø	½	ŕ	⊥	■	Ù	¹
C	î	£	¼	‡	ŕ	■	ý	³
D	ì	Ø	ı	¢	=	ı	Ý	²
E	Ä	x	«	¥	‡	ì		■
F	Å	f	»	ƒ	¤	■	´	(SP)

WP-K617 Panel Thermal Printer

8.6 Code Page 3: PC860 (Portuguese)

	80	90	A0	B0	C0	D0	E0	F0
0	ç	É	á	☐	Ł	⊥	α	≡
1	ü	À	í	☐	⊥	⊥	β	±
2	é	È	ó	☐	⊥	⊥	Γ	≥
3	â	ô	ú	|	⊥	⊥	π	≤
4	ã	õ	ñ	⊥	—	⊥	Σ	∫
5	à	ò	Ñ	⊥	⊥	⊥	σ	∫
6	Á	Ú	ã	⊥	⊥	⊥	μ	÷
7	ç	ù	õ	⊥	⊥	⊥	τ	≈
8	ê	ì	¿	⊥	⊥	⊥	Φ	○
9	Ê	Õ	Ò	⊥	⊥	⊥	θ	•
A	è	Ü	¬	⊥	⊥	⊥	Ω	•
B	í	ç	½	⊥	⊥	■	δ	√
C	Ô	£	¼	⊥	⊥	■	∞	°
D	ì	Ù	ı	⊥	=	■	∅	²
E	Ã	Pt	«	⊥	⊥	■	€	■
F	Â	Ó	»	⊥	⊥	■	∩	(SP)

WP-K617 Panel Thermal Printer

8.7 Code Page 4: PC863 (Canadian-French)

	80	90	A0	B0	C0	D0	E0	F0
0	ç	É	ı	☐	Ł	⊥	α	≡
1	ü	È	´	☐	⊥	⊥	β	±
2	é	Ê	ó	☐	⊥	⊥	Γ	≥
3	â	ô	ú	|	⊥	⊥	π	≤
4	Â	Ë	¨	⊥	—	⊥	Σ	|
5	à	ï	›	⊥	⊥	⊥	σ	∫
6	¶	û	³	⊥	⊥	⊥	μ	÷
7	ç	ù		⊥	⊥	⊥	τ	≈
8	ê	æ	î	⊥	⊥	⊥	Φ	○
9	ë	Ô	⌒	⊥	⊥	⊥	θ	●
A	è	Ü	⌒	⊥	⊥	⊥	Ω	•
B	ï	ø	½	⊥	⊥	■	δ	√
C	î	£	¼	⊥	⊥	■	∞	ⁿ
D	=	Ù	¾	⊥	=	■	∅	²
E	À	Û	«	⊥	⊥	■	€	■
F	§	f	»	⊥	⊥	■	∩	(SP)

WP-K617 Panel Thermal Printer

8.8 Code Page 5: PC865 (Nordic)

	80	90	A0	B0	C0	D0	E0	F0
0	ç	É	á	☐	Ł	⊥	α	≡
1	ü	æ	í	☐	⊥	⊥	β	±
2	é	Æ	ó	☐	⊥	⊥	Γ	≥
3	â	ô	ú	|	⊥	⊥	π	≤
4	ä	ö	ñ	⊥	—	⊥	Σ	∫
5	à	ò	Ñ	⊥	⊥	⊥	σ	∫
6	â	û	ä	⊥	⊥	⊥	μ	÷
7	ç	ù	œ	⊥	⊥	⊥	τ	≈
8	ê	ÿ	ı	⊥	⊥	⊥	Φ	○
9	ë	Ö	ı	⊥	⊥	⊥	θ	●
A	è	Ü	ı	⊥	⊥	⊥	Ω	•
B	ï	ø	½	⊥	⊥	■	δ	√
C	î	£	¼	⊥	⊥	■	∞	ⁿ
D	ì	Ø	ı	⊥	=	■	∅	²
E	Ä	Pt	«	⊥	⊥	■	€	■
F	Å	f	α	⊥	⊥	■	∩	(SP)

WP-K617 Panel Thermal Printer

8.9 Code Page 13: PC857 (Turkish)

	80	90	A0	B0	C0	D0	E0	F0
0	Ç	É	á	☐	⊥	◦	Ó	SHY
1	ü	æ	í	☐	⊥	a	ß	±
2	é	Æ	ó	☐	⊥	Ê	Ô	
3	â	ô	ú	|	⊥	Ë	Ò	¾
4	ä	ö	ñ	⊥	—	È	õ	¶
5	à	ò	Ñ	Á	⊥	€	Õ	§
6	â	û	Ǧ	Â	ã	í	μ	÷
7	ç	ù	ǧ	À	Ã	î		¸
8	ê	ï	ı	©	ℒ	ï	x	°
9	ë	Ö	®	¶	¶	⊥	Ú	¨
A	è	Ü	¬	¶	¶	⊥	Û	·
B	ï	ø	½	¶	¶	■	Ù	¹
C	î	£	¼	¶	¶	■	ì	³
D	ı	Ø	ı	¢	=	ı	ÿ	²
E	Ä	Ş	«	¥	¶	ì	-	■
F	Å	ş	»	⌈	α	■	'	(SP)

WP-K617 Panel Thermal Printer

8.10 Code Page 14: PC737 (Greek)

	80	90	A0	B0	C0	D0	E0	F0
0	A	P	ι	☐	L	⊥	ω	Ω
1	B	Σ	κ	☐	⊥	⊥	ά	±
2	Γ	T	λ	☐	⊥	π	έ	≥
3	Δ	Υ	μ	|	⊥	⊥	ή	≤
4	E	Φ	ν	⊥	—	⊥	ϊ	ϊ
5	Z	X	ξ	⊥	⊥	F	ί	ÿ
6	H	Ψ	ο	⊥	⊥	π	ό	÷
7	Θ	Ω	π	π	⊥	⊥	ύ	≈
8	I	α	ρ	⊥	⊥	⊥	ü	°
9	K	β	σ	⊥	⊥	⊥	ώ	·
A	Λ	γ	ς	⊥	⊥	⊥	Α	·
B	M	δ	τ	⊥	⊥	■	Ε	√
C	N	ε	υ	⊥	⊥	■	Η	η
D	Ξ	ζ	φ	⊥	=	■	1	2
E	Ο	η	χ	⊥	⊥	■	Ο	■
F	Π	θ	ψ	⊥	⊥	■	Υ	(SP)

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8.11 Code Page 16: WPC1252 (Windows Latin 1)

	80	90	A0	B0	C0	D0	E0	F0
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2	,	’	ç	²	Â	Ò	â	ò
3	f	“	£	³	Ã	Ó	ã	ó
4	„	”	¤	´	Ä	Ô	ä	ô
5	...	•	¥	µ	Å	Õ	å	õ
6	†	–	ı	¶	Æ	Ö	æ	ö
7	‡	—	§	·	Ç	×	ç	÷
8	^	~	¨	¸	È	Ø	è	ø
9	‰	™	©	¹	É	Ù	é	ù
A	Š	š	ª	º	Ê	Ú	ê	ú
B	‹	›	«	»	Ë	Û	ë	û
C	Œ	œ	¬	¼	Ì	Ü	ì	ü
D			SHY	½	Í	Ý	í	ý
E	Ž	ž	®	¾	Î	Þ	î	þ
F		ÿ	-	¿	Ï	ß	ï	ÿ

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8.12 Code Page 17: PC866 (Russian)

	80	90	A0	B0	C0	D0	E0	F0
0	А	Р	а	⋮	Л	⌚	р	Ё
1	Б	С	б	⋮	⊥	⌚	с	ё
2	В	Т	в	⋮	⌚	⌚	т	Е
3	Г	У	г		⌚	⌚	у	ε
4	Д	Ф	д	⌚	—	—	ф	ї
5	Е	Х	е	⌚	⌚	⌚	х	і
6	Ж	Ц	ж	⌚	⌚	⌚	ц	ÿ
7	З	Ч	з	⌚	⌚	⌚	ч	ÿ
8	И	Ш	и	⌚	⌚	⌚	ш	○
9	Й	Щ	й	⌚	⌚	⌚	щ	•
A	К	Ъ	к	⌚	⌚	⌚	ъ	·
B	Л	Ы	л	⌚	⌚	■	ы	√
C	М	Ь	м	⌚	⌚	■	ь	Na
D	Н	Э	н	⌚	=	■	э	α
E	О	Ю	о	⌚	⌚	■	ю	■
F	П	Я	п	⌚	⌚	■	я	(SP)

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8.13 Code Page 18: PC852 (Slavonic)

	80	90	A0	B0	C0	D0	E0	F0
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2	é	Í	ó	☐	⊥	Đ	Ô	˘
3	â	ô	ú		⊥	Ë	Ń	˘
4	ä	ö	À	⊥	-	ǎ	ń	˘
5	û	ł	ą	Á	⊥	Ń	ñ	§
6	ć	ĩ	ž	Â	Ǻ	í	š	÷
7	ç	Ś	ž	Ě	ǎ	î	š	˘
8	ł	ś	Ę	Ş	Ł	ě	Ŕ	○
9	ë	Ö	ę	⊥	⊥	⊥	Ú	˘
A	Ó	Ü			⊥	⊥	ř	•
B	ő	Ť	ž	⊥	⊥	■	Ů	ú
C	î	ř	Č	⊥	⊥	■	ý	Ř
D	Ž	ł	ş	Ž	=	⊥	Ý	ř
E	Ä	x	«	ž	⊥	Ů	ț	■
F	Ć	č	»		α	■	'	(SP)

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8.14 Code Page 19: PC858 (Multilingual with Euro Symbol)

	80	90	A0	B0	C0	D0	E0	F0
0	Ç	É	á	☐	Ł	ø	Ó	SHY
1	ü	æ	í	☐	⊥	Ð	ß	±
2	é	Æ	ó	☐	⊥	Ê	Ô	=
3	â	ô	ú	|	†	Ë	Ò	¾
4	ä	ö	ñ	†	—	È	õ	¶
5	à	ò	Ñ	Á	†	€	Õ	§
6	â	û	ª	Â	ã	í	μ	÷
7	ç	ù	º	À	Ã	î	þ	¸
8	ê	ÿ	¿	©	ℓ	ï	ƒ	°
9	ë	Ö	®	‡	℞	⋈	Ú	¨
A	è	Ü	¬	‡	℞	⋈	Û	·
B	ï	ø	½	¶	¶	■	Ù	¹
C	î	£	¼	¶	¶	■	ý	³
D	ì	Ø	¡	¢	=	¡	Ý	²
E	Ä	×	«	¥	¶	ì	-	■
F	Å	f	»	⌈	¤	■	'	(SP)

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8.15 Code Page 36: PC862 (Hebrew)

	80	90	A0	B0	C0	D0	E0	F0
0	κ	ג	á	⋯	⊥	⊥	α	≡
1	ב	ו	í	⋯	⊥	⊥	β	±
2	ג	ז	ó	⋯	⊥	⊥	Γ	≥
3	ד	ח	ú		⊥	⊥	π	≤
4	ה	ט	ñ	⊥	—	⊥	Σ	∫
5	ו	י	Ñ	⊥	⊥	⊥	σ	∫
6	ז	כ	ª	⊥	⊥	⊥	μ	÷
7	ח	ל	º	⊥	⊥	⊥	τ	≈
8	ט	מ	¿	⊥	⊥	⊥	Φ	°
9	י	נ	⌈	⊥	⊥	⊥	Θ	·
A	כ	ס	⌋	⊥	⊥	⊥	Ω	·
B	ל	ץ	½	⊥	⊥	■	δ	√
C	מ	ש	¼	⊥	⊥	■	∞	n
D	נ	ץ	ı	⊥	=	■	φ	²
E	ס	Pts	«	⊥	⊥	■	ε	■
F	ץ	f	»	⊥	⊥	■	∩	NB SP

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8.16 Code Page 51: WPC1257 (Baltic)

	80	90	A0	B0	C0	D0	E0	F0
0	€		(SP)	°	Ą	Š	ą	š
1		‘		±	Į	Ń	į	ń
2	,	’	¢	²	Ā	Ņ	ā	ņ
3		“	£	³	Ć	Ó	ć	ó
4	„	”	¤	´	Ä	Õ	ä	õ
5	...	•		µ	Å	Õ	å	õ
6	†	–	ı	¶	Ę	Ö	ę	ö
7	‡	—	§	·	Ě	×	ě	÷
8			Ø	ø	Č	Ů	č	ů
9	‰	™	©	¹	É	Ł	é	ł
A			Ŕ	ŗ	Ž	Ś	ż	ś
B	‹	›	«	»	Ě	Ů	ě	ů
C			¬	¼	Ģ	Ü	ģ	ü
D	”	–	SHY	½	Ķ	Ž	ķ	ž
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F	¸		Æ	æ	Ł	ß	ł	·

WP-K617 Panel Thermal Printer

9. External Dimensions

