Appendix B: Product Support Matrix

Appendix B is a table describing the differences in PCL implementation for recent HP devices.

In the table, the value in parentheses following a command parameter identifies the parameter value field value.

Printer Control

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0 C	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2	D J 5 4 0	D J 5 6 0 C	D 6 6 0 C	D J 8 5 0 C	F 1 0 0 / 1 3	C 3 0	C 4 0		
Dry Timer	Esc&b#T	No. of seconds															✓	✓	✓	✓	✓					
Gray Balance	Esc&b#B	Default (off) (0)																	✓							
		Enable (1)																	✓							
		Disable (2)																	✓							
Media Destination	Esc&l#G	Automatic (0)									✓															
		Dest tray 1 (1)					✓	✓	✓	✓	✓															
		Dest tray 2 (2)					✓	✓	✓	✓	✓															
		Dest tray 3 (1)																								
Media Source	Esc&l#H	Eject page (0)	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓		
		Tray 1 (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	√	✓	✓	✓	✓	✓		
		Manual feed (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Man envel feed (3)	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	√	✓					
		Tray 2 (4)					✓	✓	✓	✓													✓	✓		
		Optional source (5)							✓	✓				✓												
		Envelope feeder (6)								✓																
		Autoselect (7)								✓				√											\longrightarrow	
Media Type	Esc&l#M	Plain paper (0)										✓	✓	✓							✓					
		Bond (1)										✓	✓	✓							✓					
		Special (2)										✓	✓	✓							✓					
		Glossy (3)										✓	✓	✓							✓					
		Transparency (4)										✓	✓	✓							✓					
Negative Motion	Esc&a#N	0,1										✓	✓	✓												
Number of Copies	Esc&l#X	1-99	√	√	✓	✓	✓	✓	√	√	√	√	√	✓								√	√	✓		
Peripheral Configuration	Esc&b#W[data]	0-32767			√			√	√	√	√	√	√	✓				√		√	√					
Presentation Mode	Esc*r#F	0,3		√	√	✓	√	√	√	√	√	√	√	✓								√	√	√		

Printer Control (continued)

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Print Mode (text)	Esc&k#W	Left to right (0)													✓	✓	✓	✓	✓	✓						
		Bidirectional (1)													✓	✓	✓	✓	✓	✓						
		Right to left (2)													✓	✓	✓	✓	✓	✓						
		Text scale OFF (5)													✓	✓	✓	✓	✓	✓	✓					
		Text scale ON (6)													✓	✓	✓	✓	✓	✓	✓					
Print Quality	Esc*o#M	Economy (-1)																			✓					
		Normal (0)																			✓					
		Presentation (1)																			✓					
Registration (Left)	Esc&l#U	(-32767)-(+32767)		√	✓	√	✓	√	√	√	✓	✓	✓	√								✓	√	✓		
Registration (Top)	Esc&l#Z	(-32767)-(+32767)		√	✓	√	√	√	√	√	✓	✓	✓	√								✓	√	✓		
Reset	EscE	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Self test	Escz	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Simplex/Duplex	Esc&l#X						✓	✓		✓													✓	✓		
Unit of Measure	Esc&u#D	~			✓	✓		✓	✓	✓				✓							✓		✓	✓		

Text and Characters

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S :	C O L O R L J	P J X L 3 0	D J 1 2 0 0 C	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Display Functions	EscY	Turn on	√	√	√	√	✓	√	√	✓	√	√	✓	√	√	√	√	√	√	√	√	√	√	√		
	EscZ	Turn off	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
End-of-Line Wrap	Esc&s#C	Turn on (0)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Turn off (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Escapement Encapsulated Text	Esc&p#W	4-32767																			√					
Underline	Esc&d#D	Default (0)	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Single fixed (1)	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Double fixed (2)													✓	✓	✓	✓	✓	✓						
		Single floating (3)	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Double floating (4)													✓	✓	✓	✓	✓	✓						
	Esc&d@	Turn off	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Text Parsing Method	Esc&t#P	1-byte processing (0,1)				✓			√	✓			✓	√												
		2-byte (2)											✓	✓												
		2-byte for chars, 1- byte for codes (21)				✓			√	✓			✓	√												
		Shift JIS (31)				✓			✓	✓			✓	✓												
		Depends on 8th bit of first byte (38)				✓			√	√			√	√												
Text Path Direction	Esc&c#T	Horizontal (0)				√			\	✓				✓												
		Vertical (-1)				✓			✓	✓				✓												
Transparent Data Mode	Esc&p#X[data]	Number of bytes	√	✓	✓	√	✓	√	✓	✓	✓	√	√	√	√	√	√	√	√	✓	√	√	√	√		

Text and Characters (continued)

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	COLORLJ	P J X L 3 0	D J 1 2 0 0 C	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D 5 6 0 C	D 6 6 0 C	D 3 5 0 C	F 1 3 5	C 3 0	C 4 0		
Line Termination	Esc&k#G	CR⇒CR; LF⇒LF; FF⇒FF	✓	✓	√	√	√	√	✓	✓	√	✓	✓	√	√	√	✓	✓	✓	√	√	√	√	√		
		CR⇒CR+LF; LF⇒LF; FF⇒FF	√	√	✓	✓	√	✓	✓	✓	√	√	✓	√	✓	√	✓	✓	√	✓	√	√	✓	√		
		CR⇒CR; LF⇒CR+LF; FF⇒CR+FF	✓	✓	✓	✓	✓	✓	√	✓	√	√	√	√	✓	✓	√	✓	√	√	√	√	√	✓		
		CR⇒CR+LF; LF⇒CR+LF; FF⇒CR+FF	√	√	✓	✓	√	√	√	✓	✓	√	√	√	√	√	√	✓	√	√	√	√	√	✓		

Page Control

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 % -	COLORLJ	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Clear Horizontal Margins	Esc9	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	√	✓	✓	✓	✓	✓	√	√	✓	✓		
Job Separation	Esc&l1T						✓															✓	✓	✓		
Line Spacing	Esc&l#D	Number of lines (lines / inch)	✓	√	√	√	√	✓	✓	✓	√	√	√	√	√	√	√	✓	√	✓	√	√	√	✓		
Top Margin	Esc&l#E	0-Page length (number of lines)	√	√	√	✓	√	√	√	✓	√	√	√	√	√	√	√	√	√	✓	√	√	√	✓		
Left Margin (column #)	Esc&a#L	0-Right margin	\	√	√	✓	√	\	√	\	√	√	√	√	√	√	√	\	√	✓	√	√	√	√		
Right Margin (column #)	Esc&a#M	L margin to R logical page limit	>	√	√	✓	√	>	>	>	✓	√	√	√	√	√	√	>	√	>	√	√	√	√		
Orientation	Esc&l#O	Portrait (0)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Landscape (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Reverse portrait (2)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓		
		Rev landscape (3)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓	✓		

Page Control (continued)

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0			
Page Length	Esc&l#P	0 to page size (number of lines)	√	√	√	√	√	√	√	√	√	√	√	√	✓	✓	√	√	√	√	√	✓	√	√			
Side Selection	Esc&a#G						✓	✓															✓	✓			
Page Size	Esc&l#A	Default-current (0)												✓							✓						
		Executive (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓			
		US Letter (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
		US Legal (3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	√	✓	✓			
		Ledger 11x17 (6)							✓	✓			✓														
		ISO A3 (27)							✓	✓			√														
		ISO A4 (26)	√	✓	√	✓	✓	√	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	√	✓	√	√	√	1		
		ISO A5 (25)																√		√	√						
		ISO & JIS A3 (27)							√	√																$\overline{}$	
		JIS B5 (45)	√	√	✓	√	✓	✓	✓	√	✓											✓	√	✓		$\overline{}$	
		JIS B4 (46)							√	√																	
		Hagaki postcard (71)				✓			✓									✓		✓	✓						
		Oufuku-Hagaki postcard (72)				✓			✓	✓																	
		Card, 4x6 in (74)																✓		✓	✓						
		Card, 5x8 in (75)																✓		✓	✓						
		Monarch Envelope (80)	√	✓	√	√	√	√	√	√	√												✓	✓			
		# 10 Envelope (81)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓			
		Int'l DL Envelope (90)	√	√	√	√	√	√	√	√	√	√	√	√			√	~	√	√	√		√	√			
		Int'l C5 Envelope (91)	✓	√	√	✓	√	√	√	✓	✓	√	√	√							√		√	✓			
		Int'l C6 Envelope (92)																√		√							
		Intl. B5 Envelope (100)	√	✓	✓	✓	✓	✓	✓	√	✓												✓	✓			
		Custom (101)				✓			✓	✓								✓		✓	✓						i

Page Control (continued)

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0 0	D J 5 0 0 C	D 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Perforation Skip Mode	Esc&l#L	0,1	√	√	✓	√	√	√	√	√	√	√	√	√	✓	√	✓	✓	✓	✓	✓	✓	√	√		
Text Length	Esc&l#F	0-(Page length - Top margin)	√	√	✓	√	√	√	√	√	√	√	√	√	√	√	√	✓	√	✓	√	✓	\	√		
Vertical Motion Index (VMI)	Esc&l#C	0-Page length	√	√	√	√	√	√	√	√	√	√	√	✓	✓	√	✓	√	✓	✓	✓	✓	√	√		

CAP Movement

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Horizontal Motion Index (HMI)	Esc&k#H	0-32767	V	√	√	✓	√	√	√	✓	✓	✓	√	✓	✓	√	√	✓	√	√	✓	✓	√	√		
Move CAP Horizontal (Columns)	Esc&a#C	(-32767)-(+32767)	√	✓	✓	√	√	√	√	✓	√	√	✓	✓	√	√	√	✓	√	√	√	√	✓	✓		
Move CAP Horizontal (Decipoints)	Esc&a#H	(-32767)-(+32767)	√	✓	✓	√	√	✓	✓	✓	√	✓	✓	✓	✓	✓	√	✓	✓	✓	√	√	✓	✓		
Move CAP Horizontal (Dots)	Esc*p#X	(-32767)-(+32767)	✓	✓	✓	√	√	√	√	√	✓	✓	✓	✓	✓	√	√	√	√	✓	√	√	✓	✓		
Move CAP Vertical (Rows)	Esc&a#R	(-32767)-(+32767)	✓	√	✓	✓	✓	✓	√	✓	✓	✓	✓	√	✓	✓	✓	√	√	√	✓	√	✓	√		
Move CAP Vertical (Decipoints)	Esc&a#V	(-32767)-(+32767)	√	✓	✓	√	√	✓	✓	✓	√	✓	✓	✓	✓	✓	√	✓	✓	✓	√	√	✓	✓		
Move CAP Vertical (Dots)	Esc*p#Y	(-32767)-(+32767)	√	✓	√	√	✓	√	√	√	✓	✓	√	✓	✓	√	✓	✓	√	√	√	√	√	✓		
Print Direction	Esc&a#P	0, 90, 180, 270	✓	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
Push/Pop CAP	Esc&f#S	0-1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓		

B-8 PCL Prodcut Matrix

Space SP	~		

Font Selection

NOTE: Primary commands below become **Secondary** by replacing the left parenthesis with a right parenthesis.

Command	Code	Range	L J II	L J II I	L J 4	L J 4 P J	L J II I S i	L J 4 S i	L J 4 V / 5 P	5 S i	CO LO RLJ	P J X L 3 0	D J 1 2 0 0 C	D J 1 6 0 C	D J 5 0 0	D 5 0 0 C	D J 5 2 0	D 5 4 0	D 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Alphanumeric ID	Esc&n#W	0-5, 100								✓																
Symbol Set (Primary)	Esc(ID	See Chap 9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	√	✓	✓	✓	✓	✓	✓	✓	✓		
Spacing (Primary)	Esc(s#P	Fixed (0)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Proportional (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Pitch (Primary)	Esc(s#H	> 0 (2 decimal places)	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	√	√	√	✓	√	✓	✓	✓	✓	✓	✓	√		
Height (Primary)	Esc(s#V	> 0 (2 decimal places)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	√		
Style (Primary)	Esc(s#S	0-32767	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Stroke Weight (Primary)	Esc(s#B	-7 to 7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Typeface (Primary)	Esc(s#T	See Chap 9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		_
Quality (Primary)	Esc(s#Q	Letter (2)													✓	✓	✓	✓	✓	✓						
		NLQ (1)													✓	✓	✓	✓	✓	✓						
Shift In (Select Primary Font)	SI	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Shift Out (Select Secondary Font)	so	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Font Downloading

Command	Code	Range	L J II	L	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Character Code	Esc*c#E	0-32767	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓	✓		
Font ID	Esc*c#D	0-32767	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Download Char	Esc(s#W[data]	0-32767	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Download Font	Esc)s#W[data]	0-32767	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Format 0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓		✓	✓	✓	✓	✓		
		Format 10		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
		Format 11			✓	✓	✓	✓	✓	✓	✓			✓										✓		
		Format 15			✓	✓	✓	✓	✓	✓	✓		✓	✓							✓			✓		
		Format 16				✓	✓	✓	✓	✓				✓												
		Format 20			✓	✓	✓	✓	✓	✓	✓			✓				✓		✓	✓					
Font Control	Esc*c#F	0-6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√		
Select Primary Font by ID	Esc(#X	0-32767	✓	✓	√	√	✓	✓	√	✓	✓	✓	√	√	✓	✓	✓	√	√	√	√	✓	✓	√		
Select Primary Font by ID	Esc)#X	0-32767	√	✓	✓	✓	✓	✓	✓	√	√	√	✓	✓	✓	✓	✓	√	√	✓	√	√	✓	✓		

User-Defined Symbol Set

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Download Symbol Set	Esc(f#W[data]	0-32767			√	✓	√	√	✓	√	✓	√	√	✓										√		
Symbol Set Control	Esc*c#S	0-5			√	✓	√	√	✓	√	✓	√	√	√										√		
Symbol Set ID	Esc*c#R	0-32767			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		

Raster

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P X L 3 0	D J 1 2 0 0 C	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D 3 5 0 C	F 1 3 5	C 3 0	C 4 0		
Compression Method	Esc*b#M	Unencoded, row- based (0)		✓	✓	√	√	√	✓	√	√	√	✓	✓	✓	√	√	✓	√	√	√	√	√	√		
		Run-Length (1)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		
		TIFF PackBits (2)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		
		Delta Row (3)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		
		Unecoded, block- based (4)																								
		Adaptive (5)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
		CCITT Group 3 one- dimensional (6)																				√	√	√		
		CCITT Group 3 two- dimensional (7)																				√	\	✓		
		CCITT Group 4 (8)																				✓	✓	✓		
		Replacement Delta Row (9)												√		√	√	✓	√	✓	√					
Configure Raster Data	Esc*g#W	Format 1 (obslete)															✓									
		Format 2																✓		✓	✓					
		Format 3																			✓					
		Format 4																			✓					
		Format 5																			✓					
Seed Row Source	Esc*b#S	Same plane of previous row (0)														√		✓	√	\	✓					
		Previous plane (1)														✓		✓	✓	✓	✓					
		2nd previous (2)														✓		✓	✓	>	✓					
		3rd previous (4-plane only) (3)																✓	✓	\	✓					
End Raster Graphics	Esc*rC	~		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		
Resolution	Esc*t#R	75 dots per inch	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		100 dots per inch	✓	✓	✓	✓	\	\	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\		✓	\	\		
		150 dots per inch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		200 dots per inch			✓	✓	✓	✓	✓	✓				✓												
		300 dots per inch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

	600 dots per inch		./	-/	./	-/	/	/		/				./				
	600 dots per inch			•			•	•										
				J			,		\									

Raster (continued)

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Raster Depletion	Esc*o#D	None (0)														✓			✓		✓					
		25% (2)														✓			✓		✓					
		50% (3)														✓			✓		✓					
		25% with gamma (4)																	√		√					
		50% with gamma (5)																	√		✓					
Raster Quality	Esc*r#Q	Default (0)														✓	✓		✓							
		Draft (1)														✓	✓		✓		✓					
		High (2)														✓	✓		✓		✓					
Mechanical Print Quality	Esc*o#Q (same as below)	Fast (-1)										√	✓	✓												
		Normal (0)										✓	✓	✓												
		Better (1)										✓	✓	✓												
		Best (2)																								
Raster Shingling	Esc*o#Q (same as above)	0% (0)														√	✓	√	√	√	√					
		50%, two pass (1)														✓	✓	✓	✓	✓	✓					
		25%, four pass (2)														✓	✓	✓	✓	✓	✓					
Raster Print Mode	Esc*p#N	Default (no break) (0)													✓	✓	✓	✓	✓	✓						
		Bidirectional (1)													✓	✓	✓	✓	✓	✓						
		Left to right (2)													✓	√	✓	✓	✓	✓						
		Right to left (3)													✓	✓	✓	✓	✓	✓						
		Smart bidirection(4)													√	√	✓	√	√	✓						
Raster Height (Destination)	Esc*t#V	0-32767 pixels									√	√	√	√												
Raster Height (Source)	Esc*r#T	0-32767 pixels		✓	✓	√	√	√	√	√	√	√	✓	√								√	√	✓		
Raster Width (Destination)	Esc*t#H	0-32767 pixels									√	√	√	√												

Raster Width	Esc*r#S	0-32767 pixels	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
(Source)																									

Raster (continued)

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Scale Algorithm	Esc*t#K	Enhance images with light background (0)										✓	✓	✓												
		Enhance images with dark background (1)										✓	√	√												
Start Raster	Esc*r#A	At logical page left limit (0)	√	√	√	✓	√	✓	✓	√	✓	✓	✓	√	√	√	√	√	√	✓	√	√	✓	✓		
		At CAP (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		At logical page left limit, scaling ON (2)									✓	✓	√	√												
		At CAP, scaling ON (3)									✓	✓	√	√												
Transfer Raster data (Plane)	Esc*b#V	0-32767									✓	✓	√	√		√		✓	√	✓	√					
Transfer Raster (Row/Block)	Esc*b#W	0-32767	√	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	√	√	✓	√	✓	√	✓	√	√	✓	✓		
Raster Y Offset	Esc*b#Y	(-32767) to (32767) pixels		✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	√	✓	√	✓	√	✓	√	✓	✓	✓		

Raster Color

Command	Code	Range	L J II	L	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2	D J 5 4 0	D J 5 6	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Color Component (First)	Esc*v#A	0-32767									✓	✓	✓	√							√					
Color Component (Second)	Esc*v#B	0-32767									✓	√	✓	√							✓					
Color Component (Third)	Esc*v#C	0-32767									✓	√	✓	√							✓					
Color Index	Esc*v#I	0 to (2 ^{# bits/index})-1									✓	✓	✓	✓							✓					
Color Lookup Tables	Esc*l#W	0 or 770									✓															
Configure Image Data	Esc*v#W	6,18									√	√	✓	√												
Download Dither Matrix	Esc*m#W	6-32767									✓	✓	✓	✓												
Gamma Number	Esc*t#I	0.0-32767.0									✓	✓	✓	✓												
Monochrome Print Mode	Esc&b#M	0,1									✓			√												
Palette ID	Esc&p#I	0-32767									✓															
Palette Configuration	Esc*d#W	9-32767																			√					
Palette Control	Esc&p#C	0,1,2,6									✓															
Push/Pop Palette	Esc*p#P	0,1									✓	✓	✓	✓												
Render Algorithm	Esc*t#J	0-14 (0-12 for CLJ)									√	√	√	√												
Select Palette	Esc&p#S	0-32767									✓															
Simple Color	Esc*r#U	KCMY palette (-4)												✓				✓	✓	✓	✓					
		CMY palette (-3)									✓	✓	✓	✓		✓		✓	✓	✓	✓					
		Mono palette (1)									✓	✓	✓	✓		✓		✓	✓	✓	✓					
		RGB palette (3)									✓	✓	✓	✓		✓		✓	✓	✓	✓					
Viewing Illuminant	Esc*i#W	8																								

Macros

Command	Code	Range	L J	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Macro ID	Esc&f#Y	0-32767	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓		
Macro Control	Esc&f#X	0-10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓		

Print Model

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Download Pattern	Esc*c#Wdata]	0-(2 ³¹ -1)			√	√		√	√	√	√	√	√	√										√		
Foreground Color (DJ5xx uses for text only)	Esc*v#S	0 to (2**bits/index)- 1 (Current palette)									√	√	√	√							√					
		White (0)																✓	✓	✓	✓					
		True Black (1)																✓	✓	✓	✓					
		Cyan (2)																✓	✓	✓	✓					
		Magenta (4)																✓	✓	✓	✓					
		Blue (6)																✓	✓	✓	✓					
		Yellow (8)																✓	✓	✓	✓					
		Green (10)																✓	✓	✓	✓					
		Red (12)																✓	✓	✓	✓					
		Composite Blk (14)																✓	✓	✓	✓					
Logical Operation	Esc*l#O	0-255				✓			✓	✓	✓	√	✓	✓												
Pattern Control	Esc*c#Q	0,1,2,4,5			✓	✓		✓	✓	✓	✓	✓	✓	✓									✓	✓		
Pattern ID	Esc*c#G	1-100 for Shading	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
		1-6 for cross-hatch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		

B-16 PCL Prodcut Matrix

0-32767 for user-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓		
defined																			

Print Model (continued)

Command	Code	Range	II L	L	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Pattern Reference Point	Esc*p#R	0,1			✓	√		✓	√	√	✓	✓	√	√										✓		
Pattern Type	Esc*v#T	Solid black or foreground color (0)	√	√	√	✓	✓	✓	✓	✓	✓	✓	✓	√								✓	✓	√		
		White (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓		
		HP shaded (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓		
		HP cross-hatch (3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓		
		User pattern (4)			✓	✓		✓	✓	✓	✓	✓	✓	✓										✓		
Pixel Placement	Esc*l#R	0,1				✓	✓	✓	✓	✓	✓		✓	✓												
Fill Rectangle	Esc*c#P	Solid black or foreground color (0)	√	√	✓	√	√	√	√	✓	√	✓	✓	√							√		✓	√		
		White (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
		HP shaded (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
		HP cross-hatch (3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
		User pattern (4)	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓										✓		
		Current pattern (5)			✓	✓		✓	✓	✓	✓	✓	✓	✓												
Rectangle Size, Horiz (Decipoints)	Esc*c#H	0-32767		√	✓	√	√	✓	√	✓	✓	✓	✓	√							√	✓	✓	√		
Rectangle Size, Horizontal (Dots)	Esc*c#A	0-32767		✓	√	√	√	√	√	√	√	✓	✓	√							✓	✓	√	✓		
Rectangle Size, Vertical (Decipoints)	Esc*c#V	0-32767		✓	✓	✓	✓	✓	✓	√	✓	√	✓	√							✓	√	✓	✓		
Rectangle Size, Vertical (Dots)	Esc*c#B	0-32767		✓	√	✓	√	√	√	√	✓	✓	✓	√							✓	✓	√	✓		
Transparency Mode (Pattern)	Esc*v#O	0,1		✓	✓	√	√	√	√	✓	✓	✓	√	√									✓	✓		

Transparency	Esc*v#N	0,1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓		
Mode (Source)																					

Status

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Display Functions Off	EscZ	~	√	✓	√	√	✓	√	√	√	✓	√	✓	√	√	√	√	√	√	✓	✓	√	√	✓		
Display Functions On	EscY	~	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	✓	√	√	√	√		
Echo	Esc*s#X				✓	✓		✓	✓	✓	✓										✓			✓		
Flush All Pages	Esc&r#F	0,1			✓	✓		✓	✓	✓	✓	✓	✓	✓										✓		
Inquire Status Readback Entity	Esc*s#U				✓	√		√	√	√	✓										√			✓		
Free Memory Space	Esc*s#M	1			√	✓		√	√	√	✓													✓		
Self-test	Escz	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Status Readback Location Type	Esc*s#T				√	√		\	√	\	✓										√			\		
Status Readback Location Unit	Esc*s#U				√	√		✓	√	✓	✓										√			✓		

Language Switching

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Comment (PJL)	@PJL COMMENT <text></text>			√	✓	✓	√	✓	✓	✓	√	√	✓	√								√	✓	√		
Enter Language (PJL)	@PJL ENTER LANGUAGE = (PCL POSTSCRIPT HPGL2)			√	√	✓	✓	√	✓	√	√	√	√	✓								√	√	✓		
Enter HP-GL/2 Mode	Esc %#B	Stand-alone plotter (-1)										√	✓													
		Use previous HP- GL/2 pen position (0)		✓	✓	✓	✓	✓	√	✓	✓	√	✓	√									√	✓		
		Use current PCL CAP (1)		√	√	✓	√	√	✓	√	√	✓	✓	√									✓	√		
		Use PCL coordinate system and old HP- GL/2 pen position (2)										√	√	✓												
		Use PCL coordinate system and current PCL CAP (3)										√	✓	✓												
Enter PCL mode	Esc%#A	0,1		✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓									√	✓		
Exit Language / Start PJL	Esc%#X	-12345		√	√	√	✓	√	✓	√	√	√	✓	√								✓	✓	✓		

Picture Frame

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 0	D J 5 0	D J 5 0 C	D J 5 2	D J 5 4 0	D J 5 6 0 C	D 6 6 0 C	D 3 5 0 C	F 1 3 5	C 3 0	C 4 0		
Picture Frame Anchor Point	Esc*c#T	0		√	✓	✓	√	√	√	√	✓	√	√	√									✓	√		
Picture Frame Horizontal Size (Decipoint)	Esc*c#X	0-32767		√	√	√	√	✓	√	✓	√	✓	√	√									✓	√		
Picture Frame Vertical Size (Decipoints)	Esc*c#Y	0-32767		√	√	√	√	✓	√	✓	√	√	√	✓									✓	✓		
HP-GL/2 Plot Horizontal Size	Esc*c#K	0-32767		✓	√	√	√	√	√	✓	✓	√	✓	✓									✓	√		
HP-GL/2 Plot Vertical Size	Esc*c#L	0-32767		√	√	√	√	√	√	√	√	√	✓	✓									✓	√		

Control Codes

Command	Code	Range	II	III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	C O L O R L J	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 C	D J 5 2 0	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
Back Space	BS	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Carriage Return	CR	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Escape	ESC	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Formfeed	FF	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Horizontal Tab	HT	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Line Feed	LF	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Null	NUL	~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

HP-GL/2

Command	Code	Range	L J II	L J III	L J 4	L J 4 P J	L J III S i	L J 4 S i	L J 4 V / 5 P	5 S i	COLORLJ	P J X L 3 0	D J 1 2 0 0	D J 1 6 0 C	D J 5 0	D J 5 0 0 C	D J 5 2	D J 5 4 0	D J 5 6 0 C	D J 6 6 0 C	D J 8 5 0 C	F 1 3 5	C 3 0	C 4 0		
HP-GL/2 Kernel				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
Bezier	BR, BZ				✓	✓		✓	✓	✓	✓	✓	✓	✓										✓		
Fill Type	FT	Odd / Even		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
		Non-zero winding			✓	✓		✓	✓	✓	✓	✓	✓	✓									✓	✓		
Label Origin	LO	1-9 / 11-19		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
		21			✓	✓		✓	✓	✓	✓	✓	✓	✓									✓	✓		
Merge Control	MC					✓			✓	✓	✓	✓	✓	✓												
Color Range	CR										✓	✓	✓	✓												
Number of Pens	NP												✓	✓												
Pen Color	PC										✓	✓	✓	✓												
Pixel Placement	PP										✓	✓	✓	✓												
Screened Vectors	SV			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓		
Transparency Mode	TR			✓	✓	√	✓	✓	✓	✓	✓	✓	√	✓									✓	√		
Primary Font Selection by ID	FI			√	√	√	✓	√	✓	✓	✓	✓	✓	√									√	✓		
Secondary Font Selection by ID	FN			√	√	√	✓	√	✓	✓	√	√	✓	√									✓	√		
Scalable or Bitmap Fonts	SB			√	√	√	√	√	√	✓	✓	√	✓	√									√	√		
Label Mode	LM					✓			✓	✓	✓			✓												

NOTE: Except for not allowing font downloads, OfficeJet is the same as the DeskJet 520.