

DIP Switch Tables

When using Serial Interface

DIP Switch Bank 1

SW	Function	ON	OFF
1-1	Data receive error	Ignored	Prints "?"
1-2	Receive buffer capacity	45 bytes	4KB
1-3	Handshaking	XON/XOFF	DTR/DSR
1-4	Data word length	7 bits	8 bits
1-5	Parity check	Enabled	Disabled
1-6	Parity selection	Even	Odd
1-7 1-8	Transmission speed (See table A.)		

DIP Switch Bank 2

SW	Function	ON	OFF
2-1	Handshaking (BUSY condition)	Receive buffer full	Offline or Receive buffer full
2-2	Do not change settings	Fixed to OFF	
2-3 2-4	Print density	See Table B	
2-5	Release condition of receive buffer BUSY (If receive buffer capacity set to 4KB.)	Releases BUSY when remaining receive buffer capacity reaches 138 bytes.	Releases BUSY when remaining receive buffer capacity reaches 256 bytes.
2-6	Do not change setting.	Fixed to OFF	
2-7	I/F pin 6 reset	Enabled	Disabled
2-8	I/F pin 25 reset	Enabled	Disabled

Table A

Transmission speed (bps) bits per second	SW1-7	SW1-8
38400 ^{*1}	ON	ON
4800	OFF	ON
9600	ON	OFF
19200	OFF	OFF

*1: When DIP switches 1-7 and 1-8 are on, the transmission speed can be selected from one of seven speeds: 2400, 4800, 9600, 19200, 38400, 57600, and 115200 bps by control commands.

When using Parallel Interface

DIP Switch Bank 1

SW	Function	ON	OFF
1-1	Auto line feed	Always enabled	Always disabled
1-2	Receive buffer capacity	45 bytes	4KB
1-3	Select paper sensors to output paper-end signals (default value of a command) from parallel I/F.	Disabled	Roll paper end sensor enabled, Roll paper near-end sensor enabled
1-4	Error signal output from parallel I/F	Disabled	Enabled
1-5~ 1-8	Undefined		

DIP Switch Bank 2

SW	Function	ON	OFF
2-1	Handshaking (BUSY condition)	Receive buffer full	Offline or Receive buffer full
2-2	Do not change settings	Fixed to OFF	
2-3 2-4	Print density	See Table B	
2-5	Release condition of receive buffer BUSY (If receive buffer capacity set to 4KB.)	Releases BUSY when remaining receive buffer capacity reaches 138 bytes.	Releases BUSY when remaining receive buffer capacity reaches 256 bytes.
2-6 2-7	Do not change setting.	Fixed to OFF	
2-8	I/F pin 31 reset signal (Do not change setting)	Fixed to ON	

Table B

Print density/low power	SW2-3	SW2-4
Print density "Normal"	OFF	OFF
Print density "Medium"	ON	OFF
Print density "Dark"	OFF	ON
Do not set	ON	ON

When using USB/Ethernet/Wireless LAN Interface

DIP Switch Bank 1

SW	Function	ON	OFF
1-1	Auto line feed	Always enabled	Always disabled
1-2	Receive buffer capacity	45 bytes	4KB
1-3~ 1-8 ^{*1}	Undefined		

*1: When using the USB interface on a model with a serial or parallel interface, the function of DIP switch 1-8 is as follows.

SW	Function	ON	OFF
1-8	Power saving function for USB	Disabled	Enabled

DIP Switch Bank 2

SW	Function	ON	OFF
2-1	Handshaking (BUSY condition)	Receive buffer full	Offline or Receive buffer full
2-2	Do not change settings	Fixed to OFF	
2-3 2-4	Print density	See Table B	
2-5	Release condition of receive buffer BUSY (If receive buffer capacity set to 4KB.)	Releases BUSY when remaining receive buffer capacity reaches 138 bytes.	Releases BUSY when remaining receive buffer capacity reaches 256 bytes.
2-6 2-7	Do not change setting.	Fixed to OFF	
2-8	Do not change setting.	2	

*2: Whether DIP switch 2-8 is set to ON or OFF is dependent on the printer model.

Table B

Print density/low power	SW2-3	SW2-4
Print density "Normal"	OFF	OFF
Print density "Medium"	ON	OFF
Print density "Dark"	OFF	ON
Do not set	ON	ON

Specifications

	80 mm paper width	58 mm paper width ^{*1}
Printing method	Thermal line printing	
Dot density	180 dpi × 180 dpi (dots per 25.4 mm {1"})	
Printing direction	Unidirectional with friction feed	
Printing width	72 mm {2.83"}, 512 dot positions	50.8 mm {2.0"}, 360 dot positions
Characters per line (default)	Font A: 42; Font B: 56	Font A: 30; Font B: 40
Character spacing (default)	Font A: 0.28 mm {.01"} (2 dots), Font B: 0.28 mm {.01"} (2 dots)	
Character size	Standard/Double-height/Double-width/Double-width and Double-height Font A: 1.41 × 3.39/1.41 × 6.77/2.82 × 3.39/2.82 × 6.77 mm Font B: 0.99 × 2.40/0.99 × 4.80/1.98 × 2.40/1.98 × 4.80 mm	
Character structure	Font A (default): 12 × 24; Font B: 9 × 17 (including 2-dot horizontal spacing)	
Number of characters	Alphanumeric characters: 95; International character sets: 18 sets Extended graphics: 128 × 43 pages (including user-defined page)	
Printing speed	300 mm/s {11.8"/s} max.; 70.9 lps (4.23 mm {1/6"} feed) Ladder bar code and 2D code: 100 mm/s {2.4"/s}	
	The above speed values are approximate. The values are when the printer prints with density "Normal" at 24 V and 25°C {77°F} Speed is adjusted automatically depending on the voltage applied and head temperature.	