



Part Number	Mono/Area Color		Gray Scale			Color	
	SSD1305	SSD1325	SSD1326	SSD1329	SSD1331	SSD1353	SSD1355
Display Features							
- Maximum panel resolution	132 x 64	128 x 80	256 x 16	128 x 128, 64 hard icons	96RGB x 64	160RGB X 132	128RGB x 160
- Embedded SRAM display buffer	132 x 64 bits	128 x 80 x 4 bits	128 x 80 x 4 bits	128 x 128 x 4 bits	96 x 64 x 16 bits	160 x 132 x 18 bits	128 x 160 x 18 bits
- Display color	Mono and 4 color selections for area color	16 gray scale	16 gray scale	16 gray scale	65k colors	262k colors	262k colors
- Contrast control	256 steps	128 steps	256 steps	256 steps	256 steps	256 steps	256 steps
DC Characteristics							
- Segment maximum source current	320uA	300uA	100uA	350uA	200uA	160uA	200uA
- Common maximum sink current	45mA	40mA	25mA	40mA	60mA	60mA	80mA
- MCU interface Voltage Supply (V _{DDIO})	1.6V - V _{DD}	-	1.7V - V _{DD}	1.7V - V _{DD}	1.6V - V _{DD}	1.6V - V _{CI}	1.6V - V _{CI}
- Core V _{DD} power supply (V _{DD})	2.4V - 3.5V	2.4V - 3.5V	2.4V - 3.5V	2.4V - 3.5V	2.4V - 3.5V	2.4V - 2.6V	2.4V - 2.6V
- Logic Voltage Supply (V _{CI})	-	-	-	3.2V - 4.2V (for icon)	-	2.4V - 3.5V	2.4V - 3.5V
- High Voltage Supply (V _{CC})	7.0V - 15.0V	8.0V - 16.0V	8.0V - 16.0V	9.0V - 18.0V	8.0V - 18.0V	10.0V-21.0V	10.0V-21.0V
MCU Host Interface Supported							
- 8-bit parallel interface	√	√	√	√	√	√	√
- 9-bit parallel interface	-	-	-	-	√	√	-
- 16-bit parallel interface	-	-	-	-	√	√	√
- 18-bit parallel interface	-	-	-	-	-	√	√
- Serial peripheral interface	√	√	√	√	√	√	√
- I ² C interface	√	-	-	-	-	-	-
Package Information							
-TAB	T7(132x64)	T6(128x80)	-	-	-	-	-
-COF	-	-	-	-	U3(96x64)	U4(160x128)	U2(128x128), U3(128x96), U6(128x160)
-COG	Z(132x64)	Z(128x80)	Z(256x32)	Z(128x128, 64 icon)	Z(96x64)	Z(160x132)	-
High Integration Controller Function							
- On-chip oscillator	√	√	√	√	√	√	√
- On-chip DC-DC booster	√	√	-	for hard icon	-	-	-
- On chip V _{DD} regulator	-	-	-	-	-	√	√
- Non-Volatile Memory (OTP) for calibration	-	-	-	-	-	√	√
- Programmable frame rate	√	√	√	√	√	√	√
- Programmable display MUX	√	√	√	√	√	√	√
- Row/Column re-mapping	√	√	√	√	√	√	√
- Horizontal scrolling	√	-	√	√	√	√	√
- Vertical scrolling	√	-	-	√	√	√	√
- Vertical scrolling by RAM	√	√	√	√	√	√	√
- Color swapping function	-	-	-	-	√	√	√
- Graphic acceleration command set: draw line & rectangle, copy & dim window, clear window, etc	-	-	-	√	√	√	-