

Main specifications of S1D13U11

CPU interface	USB 2.0 high-speed device port (480 Mbps)
Panel interface	24-bit color TFT panel
Supported resolutions	QVGA to SVGA (24 bpp)
Display buffer	External SDRAM (16 MB max.)
Input data format	RGB 8:8:8, RGB 5:6:5
Display features	Picture-in-Picture, double-buffer display, vertical and horizontal screen scrolling, etc.
I/O interfaces	SPI, I2C, GPIO, buzzer, key scan, PWM
Clock	12 MHz or 24 MHz crystal oscillator
Power saving features	USB suspend, USB resume, and USB remote wake-up
Package	QFP20 144-pin (20 mm x 20 mm, with a 0.5 mm pitch)
Supply voltages	3.3 V and 1.8 V
Operating temperature range	-40 °C to 85 °C