
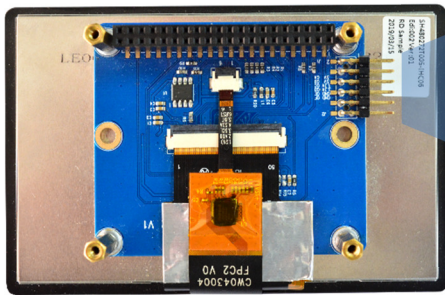




Powertip DPI TFT Display



There is another option of display connecting to Raspberry Pi. Neither MIPI nor HDMI interface. But a parallel RGB displays to be attached to the  Raspberry Pi GPIO. It is available on all Raspberry Pi boards with the 40 way header (A+, B+, Pi2, Pi3, Pi4, Zero). Just plug in and forward 5V to Raspberry Pi board. It works great.

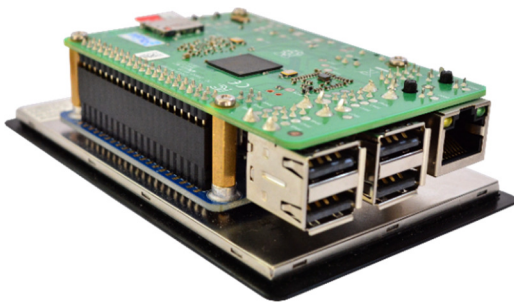


GPIO_A / PWM	2	1	5V
GPIO_B / CTP_INT	4	3	5V
GPIO_C / CTP_SCL	6	5	3.3V
GPIO_D / CTP_SDA	8	7	3.3V
GPIO_E	10	9	Ground
GPIO_F	12	11	Ground

Features:

- This interface is controlled by the GPU firmware and Powertip offers programmed config.txt parameters working with Raspbian O/S.
- There are extra 6 GPIO pin available for other devices if display without touch panel.
- There are 3 GPIO + I2C available when display with touch panel.
- I2C I/O port expanders ex: PCF8574

If you expect more I/O port, you can use PCF8574 8-bit input/output (I/O) expander for the two-line bidirectional bus (I2C).



Size	Resolution	Part no.	Touch panel
3.5"	320x240	PH320240T023-IHC09	capacitive touch panel
4.3"	480x272	PH480272T005-IHC06	capacitive touch panel