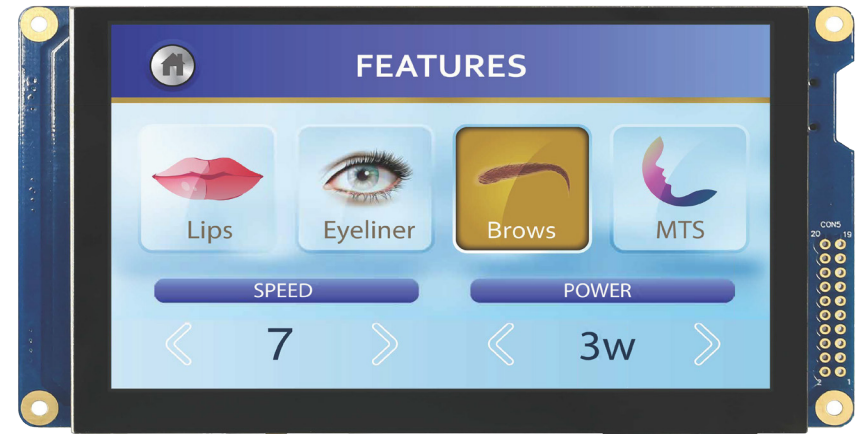


NEW IPS TFT-LCD Module with PCAP Touch

Winstar introduced the **NEW 5.0"** high brightness IPS TFT-LCD display with PCAP touch made of resolution 800x480 pixels. The module is built-in with BT815 controller IC, SPI and QSPI interface. This module is also equipped with the new technology approach: high-quality human-machine interface (HMI). The display has wider viewing angles, PCAP touch screen, I2C interface and multi-touch function. It is also available with resistive touch panel (RTP).



The module operating temperature range is from -20°C to $+70^{\circ}\text{C}$, with a storing temperature range from -30°C to $+80^{\circ}\text{C}$.

WF50FSYBGDSGA

Item	Contents	Unit
Size	5	Inch
Dot Matrix	800 × 3(RGB) × 480	----
Module Dimension	138.7 (W) × 75.8 (H) × 13.0(D)	mm
Active Area	108(W) × 64.8 (H)	mm
Pixel Pitch	0.135(W) × 0.135(H)	mm
LCD Type	TFT, Normally Black, Transmissive	----
Viewing Angle	80/80/80/80	----
Aspect Ratio	5:3	----
Backlight Type	LED, Normally White	----
TFT Controller IC	BT815Q	----
TFT Interface	SPI/QSPI	----
CTP FW Version	ILI2130 or Equivalent	----
CTP IC	I2C	----
CTP Interface	0x07.0x00.0x00.0x00.0 x A1.0x25.0x50.0x00	----
CTP Resolution	16384 * 16384	----
Touch Panel	Projected Capacitive Touch Panel (PCAP)	----
Surface	Glare	----