

# NEW 3,5" Smart Display with PCAP Touch

Winstar introduced the new 3,5" RS485 Smart Display with a projected capacitive touch panel (PCAP). It has a wide-temperature range and is built-in with 4-layer FR4 PCBA firmware. This Smart Display is an easy-to-use product that allows users to develop projects rapidly and cost-effectively. This display series is ideal for single-master (HOST) platforms, such as a computer (with USB2RS485 Dongle), MCU, and Raspberry Pi.

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Item	Contents	Unit
Operating Voltage	5 ~ 24	Vdc
Communication Interface	RS485 differential	N/A
MCU	STM32F750	N/A
Flash Memory	16	MB
SDRAM Frequency	108	MHz
LCD Display Size	3,5	inch
Dot Matrix	320 × 3(RGB) × 240	dot
Module Dimensions	100(W) × 82(H) × 13.2(D)	mm
Active Area	70.08(W) × 52.56(H)	mm
Pixel Pitch	0.219 × 0.219	mm
Brightness	Min: 300; Typ: 400	cd/m <sup>2</sup>
LCD Type	TFT, Normally Black, Transmissive	----
View Direction	80/80/80/80(IPS)	----
Aspect Ratio	4:3	----
Touch Panel	Projected Capacitive Touch Screen, PCAP	----
Surface	Glare	----



## Model Features:

- > TFT Size: 3,5"
- > TFT Resolution: 320x240 dots
- > TFT View Direction: 80/80/80/80
- > TFT Touch Screen: Capacitive Touch Panel
- > Communication Interface: RS485
- > Protocol: Modbus
- > Brightness (cd/m<sup>2</sup>): 400
- > DC 5V ~ 24V working voltage and low power consumption
- > Operating Temperature Range: -30°C to +85°C
- > Storage Temperature Range: -30°C to +85°C