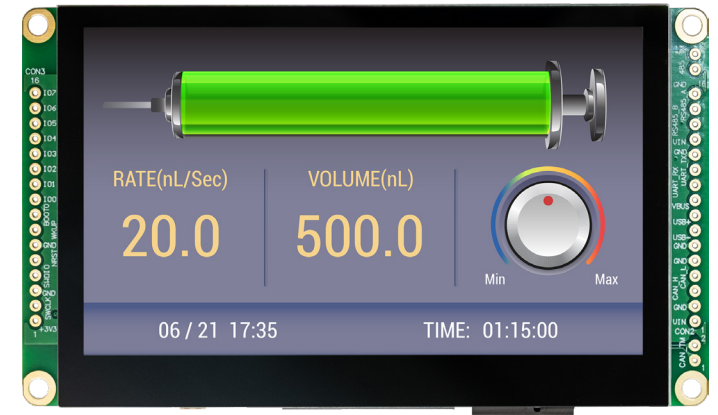# NEW 4,3" RS485 Smart TFT Display with PCAP Touch, Modbus & GPIO

Winstar introduced the new 4,3" TFT Smart Display designed as a slave device controlled via RS485 commands using the Modbus protocol. It integrates a wide temperature IPS TFT display and a 4-layer FR4 PCBA with built-in firmware, delivering a reliable and streamlined HMI solution. This display enables rapid project development while minimizing costs and engineering effort. It supports single-master (HOST) platforms such as PCs (via USB-to-RS485 dongle), MCUs, and Raspberry Pi.

Operating Temperature Range: -30°C to +80°C

Storage Temperature Range: -30°C to +80°C

WLOF00043000WGDACSA00

Item	Standard Value	Unit
Operating Voltage	5-28	Vdc
Communication Interface	RS485 differential	
MCU	STM32F750	N/A
Flash Memory	16	MB
LCD Display Size	4,3	inch
Dot Matrix	480 × RGB × 272(TFT)	dots
Module Dimensions	119.3(W) × 67.2(H) × 13(D)	mm
Active Area	95.04(W) × 53.856 (H)	mm
Pixel Pitch	0.198(H) × 0.198(V)	mm
Brightness	Min: 300; Typ: 400	cd/m2
Backlight Type	TFT, Normally Black, Transmissive	
Viewing Angle	80/80/80/80	
Aspect Ratio	16:9	
Touch Panel	Projected Capacitive Touch Panel (PCAP)	
Surface	Glare	

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