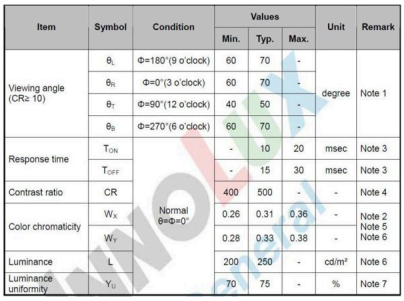
SMART DISPLAY MODULE

6.9" Smart Display with PCAP Touch

Display, controller board and touch in one module — talk to it over UART TTL&232&485 and skip the graphics design work.

CATALOG # 1A0154-01



Item	Symbol	Condition	Values			Unit	Remark
			Min.	Typ.	Max.		
Viewing angle (CR≥ 10)	θ_L	Φ=180°(9 o'clock)	60	70	-	degree	Note 1
	θ_R	Φ=0°(3 o'clock)	60	70	-		
	θ_T	Φ=90°(12 o'clock)	40	50	-		
	θ_B	Φ=270°(6 o'clock)	60	70	-		
Response time	T_{ON}	Normal θ=Φ=0°	-	10	20	msec	Note 3
	T_{OFF}		-	15	30	msec	Note 3
Contrast ratio	CR		400	500	-	-	Note 4
Color chromaticity	W_X		0.26	0.31	0.36	-	Note 2 Note 5 Note 6
	W_Y		0.28	0.33	0.38	-	
Luminance	L		200	250	-	cd/m²	Note 6
Luminance uniformity	Y_U		70	75	-	%	Note 7

6.9"	320	720×1440	UART TTL&2
DIAGONAL	NITS	RESOLUTION	HOST LINK

KEY FEATURES

- Built-in controller — drive it with simple UART TTL&232&485 commands
- Screens, fonts and images stored on board (1GB flash)
- Shortens firmware and UI development time
- Projected capacitive touch included
- -20 to +70 °C operating range
- 5V/2A power input
- Custom UI, enclosure and cable options

SPECIFICATIONS

Size	**6.9"**
Resolution	**720 × 1440**
Panel	**IPS TFT LCD**
Brightness	**320 cd/m²**
Host Interface	**UART TTL&232&485**
Controller Board	**UART Board**
Touch	**Projected capacitive (PCAP)**
Flash Memory	**1GB(Support 128Mbit~2*1GB)**
Power Supply	**5V/2A**
Active Area	**78.02 × 156.04 mm**
Operating Temp.	**-20 ~ +70 °C**

APPLICATIONS Appliances · Smart home · Industrial controls · Instrumentation · EV chargers

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