

5.8-Inch Rugged Capacitive Touch Display module

The KIPL 26-6573 5.8-Inch FHD LTPS LCD Display Module is a compact colour active-matrix display designed for applications requiring high-resolution visual output in a small form factor. The module uses an LTPS TFT LCD panel with 1920×1080 Full HD resolution and supports up to 16.7 million colours.

The display provides 900-nit typical luminance, an all-angle viewing specification, and a transmissive normally-black display mode for clear image presentation. It features HDMI input and a capacitive touch panel with a GT911 controller, I^2C interface, and five-point touch capability.

The module uses tape bonding between the LCD and CTP and operates from -20°C to +70°C, with storage from -30°C to +80°C. Its compact mechanical size makes it suitable for integrated HMI and display applications where Full HD resolution, touchscreen interaction and a compact display module are required.

Key Features :

- Full HD 1920×1080 LTPS TFT LCD with 16.7M colours and 0.066 × 0.066 mm pixel pitch.
- 900-nit typical luminance with all-direction viewing and transmissive normally-black display mode.
- Five-point capacitive touchscreen with GT911 controller and I^2C interface.
- HDMI display interface with compact 5.8-inch form factor and operation from -20°C to +70°C.

Technical Specifications :

Product Code	KIPL 26-6573
Display Type	5.8-Inch LTPS TFT LCD
Display Technology	Colour Active Matrix LTPS LCD
Resolution	1920 × 1080 pixels, Full HD
Display Colours	16.7M
Pixel Arrangement	RGB Vertical Stripe
Pixel Pitch	0.066 × 0.066 mm
Display Mode	Transmissive / Normally Black
Viewing Angle	All directions
Luminance	900 nits typical
Aspect Ratio	16:9
Display Interface	HDMI IN
Touch Technology	Capacitive Touch Panel
Touch Structure	G+G
Touch Resolution	1920 × 1080
Touch Controller	Gt911
Touch Interface	I^2C
Touch Points	Five-point touch
Touch Logic Level	3.3 V
Touch Interface via HDMI Board	Micro-USB or Molex-USB
Bonding Technology	Tape bonding between LCM and CTP
Active Display Area	126.72(H) × 71.28(V) mm
Module Size	144.56(H) × 87.40(V) × 21.26(D) mm
Weight	TBD
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C
Power Supply	12 V DC via Micro USB
Module Current Consumption	260 mA
Backlight	Not separately specified in the provided source
OSD Keypad	Included in product designation; detailed keypad specifications not provided in the source