01 / PANEL OVERVIEW

14.0-inch FHD LCD

Display Technical Brief

Native landscape raster. Confirm the orientation supported by the final enclosure and software.

PANEL CLASS	NATIVE RASTER	FRAMEMORY REFERENCE
14.0 in	**1920 × 1080**	**14P**

Display and optical profile

Panel technology	Normally black AHVA; glare surface
Brightness	300 cd/m² typ.; 255 min. (5-point average at 21 mA)
Contrast ratio	800:1 typ.
Viewing angle	89° typ.; 85° min. each direction (CR = 10)
Color	16.2M colors (6-bit + FRC); gamut not summarized
Active area	309.37 × 174.02 mm
Module outline	315.10 × 195.65 mm typ.; 2.40 mm max. thickness
Temperature	0 to +50 °C operating; −20 to +60 °C storage

Selection note

> Use the optical figures at their stated test point, and validate glare and viewing behavior in the actual enclosure. Verify connector wiring before attempting a swap with another eDP panel.

02 / ENGINEERING INTEGRATION

Interface and integration

Use the component notes to plan an enclosure and host review on the exact assembled configuration.



Functional illustration only • not a pin map or mechanical drawing

Electrical and connection profile

Video	eDP 1.3 · panel self-refresh listed
Connector	30 positions; confirm mating connector and cable routing
Touch	Not specified by panel source
Timing	Confirm eDP timing and panel self-refresh compatibility with the selected host
Power / backlight	3.3 V typ. logic; 3.7 W listed including backlight

Before design release

Host setup
Confirm interface mode, mapping and initialization on the target controller.

Mechanical fit
Check connector access, flex bend and tolerance stack in the assembled enclosure.

Scope: LCD component, not a finished Framemory device specification. Listed limits and typical values are not acceptance criteria; verify against the approved assembly and its controlled documents.