01 / PANEL OVERVIEW

15.6-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
15.6 in	1920 × 1080	15P

Display and optical profile

Panel technology	Normally black TFT; anti-glare surface
Brightness	300 cd/m² typ.; 280 min. (white luminance, preliminary)
Contrast ratio	1200:1 typ.; 1000:1 min.
Viewing angle	85° typ.; 80° min. each direction (CR > 10)
Color	45% typ.; 42% min. (CIE 1931 basis in source)
Active area	344.16 × 193.59 mm
Module outline	350.66 × 205.78 mm without PCB; 350.66 × 216.15 mm with PCB; 3.00 mm max. thickness
Temperature	0 to +50 °C operating; −20 to +60 °C storage

Selection note

> Source is a preliminary revision. Confirm the latest approved limits, connector and PCB-inclusive clearance before design freeze.

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 1.2 compatible · 2 lanes, 2.7 Gb/s link rate
Connector	30 positions; eDP signal, logic power and backlight control
Touch	Not specified by panel source
Timing	Confirm EDID, link training and power sequencing with the selected host
Power / backlight	3.3 V typ. logic; 12 V typ. backlight-driver input

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.