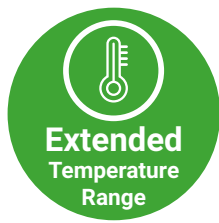


ED280TT1

28" Bar Shape ePaper (E Ink)



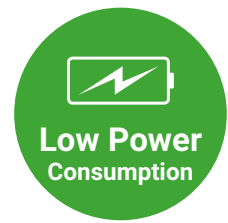
16 Gray
Tones



Extended
Temperature
Range



Always
On



Low Power
Consumption

[ED280TT1](#) is a reflective electrophoretic E Ink® technology display module based on active matrix TFT substrate. It has 28" active area with 3840 x 1080 pixels, the display is capable to display images at 2-16 gray levels (1-4 bits) depending on the display controller and the associated waveform file. The using mini-LVDS gives an advantage of reduced noise levels and better EMC behavior. The significant feature is the extended operating temperature range. Only black and white mode is possible for the extended ranges and 16 gray levels are supported for standard e-Paper ranges from 0°C to +50°C. Special form factor extends the applications area for the panel. It can be successfully implemented in in-vehicle advertisement signage and retail signage, as well as in public transportation such as metro, high-speed railway, train, or electric bus.

FEATURES

- Bar type form factor
- Mini-LVDS interface
- High contrast TFT electrophoretic
- Ultra wide viewing angle
- Ultra low power consumption
- Pure reflective mode
- Bi-stable
- Low current sleep mode



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AND NEW DESIGNS PLEASE [VISIT OUR WEBSITE](#)

MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS	UNIT	REMARK
SCREEN SIZE	28 bar type	inch	32 : 9
DISPLAY RESOLUTION	3840(H) x 1080(V)	pixel	DPI: 143
ACTIVE AREA	683.52(H) x 192.24(V)	mm	
PIXEL PITCH	178(H) x 178(V)	um	
PIXEL CONFIGURATION	Square		
OUTLINE DIMENSION	698.6(H) x 209.3(V)	mm	
NUMBER OF GRAY	-15°C~0°C, +50°C~65°C: black&white / 0°C~50°C: 16 gray level		
INTERFACE	Mini-LVDS		
OPERATING TEMP. RANGE	-15 .. +65	°C	
STORAGE TEMPERATURE	-25 .. +70	°C	

BLOCK DIAGRAM

