

SEARCH

PART # DOC SITE

SITE MAP

CONTACT US

PRINT

- Display Overview
- Product Lineup
  - 3.5" Lineup
    - NL2432HC22 -40J
    - NL2432HC22 -41K**
  - 5.5" Lineup
  - 6.3" Lineup
  - 6.5" Lineup
  - 7.0" Lineup
  - 8.4" Lineup
  - 9.0" Lineup
  - 10.4" Lineup
  - 12.1" Lineup
  - 15.0" Lineup
  - 15.3" Lineup
  - 19.0" Lineup
  - 20.1" Lineup
  - 21.3" Lineup
- Industrial TFT
- Transflective TFT
- Markets
- Support

## LCD Product Brief

### NL2432HC22 -41K

3.5 inches (8.9 cm) QVGA for industrial applications  
 SR-NLT  
 With touch panel

Characteristics	
<b>Model number</b>	NL2432HC22 -41K
<b>Drive method</b>	a-Si TFT active matrix
<b>Screen size</b>	3.5 inches (8.9 cm diagonal)
<b>Number of pixels</b>	240 x 320
<b>Effective display area</b>	53.64 (H) x 71.52 (V) mm
<b>Backlight</b>	LED
<b>Luminance</b>	200 cd/m <sup>2</sup> at IL=20mA
<b>Contrast</b>	150:1 (at IL=20mA, with touch panel) 15:1 (Reflective mode, with touch panel)
<b>Display colors</b>	262k colors
<b>Viewing angle</b>	Up: 30°, down: 35°, right: 30°, left: 30° [1]
<b>Response time (t<sub>on</sub>)</b>	30 ms (Transmissive mode) 16 ms (Reflective mode) [2]
<b>Outline dimension</b>	63.5 (W) x 85.0 (H) x 4.2 (D) mm
<b>Weight</b>	45 g
<b>Operating temperature</b>	-20°C to +70°C
<b>Storage temperature</b>	-20°C to +80°C
<b>Power supply voltage</b>	3.0 V
<b>Power consumption</b>	LCD Panel: 50mW Backlight: 384mW at IL=20mA
<b>Input signal</b>	CMOS (RGB 6 bits each)
<b>Remark</b>	SR-NLT, with touch panel

Note:  
 [1] Contrast of 5:1 or higher  
 [2] Value of Ton+Toff (10% ? 90%)

All values are typical values.  
 All specifications shown on this web site are subject to change without notice.