

## NK-N9H20

Nuvoton offers the emWin platform which is embedded with nuvoton N9H MPU, it provides complete HMI solutions which are further enhanced by the emWin software, supporting resolution up to 1024x768 pixels. The N9H series with ARM926EJ-S core can operate at up to 300 MHz and can drive up to 1024x768 pixels in parallel port. It integrated TFT LCD controller and 2D graphics accelerator, up to 16 million colors (24-bit) LCD screen output, and provides high resolution and high chroma to deliver gorgeous display effects. To play compressed video in HMI screens smoothly, the N9H series is equipped with H.264 video decompression engine. It also offers built-in voice decoder, which can streamline the peripheral circuits of HMI applications with sound playback. It embedded up to 32 MB DDRII SDRAM, along with ample hardware storage and computing space for excellent design flexibility. The emWin platform includes NK-N9H20 and NK-N9H30 for users.

### NK-N9H20 Features

- 32-bit ARM926EJ-S N9H20K51N MPU
- CPU Speed up to 200 MHz
- Build-in 32MB DDR memory
- USB 2.0 High speed device
- USB 2.0 Full speed host
- 3.4" (320x240) 24-bit RGB LCD
- UART x 1

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