



## Main Features

- Rich gallery of symbols and objects
- Use the interface clearly and intuitive
- Develop projects with easy to reach functions and properties
- Support various automation protocols
- Multi-language support
- Allow users to visit anywhere and anytime
- Password supports alphanumeric input.
- Panel or VESA 75mm x 75 mm mount, IP65 front bezel
- ESD Protection : Level 4 (Contact Discharge 8KV, Air-Gap Discharge 15KV), Class A

## Product Overview

nHMI is a visualization solution, and the compiled program can run the HMI interface more easily. Tabs in the UI make developing projects straightforward. You can easily access functions and properties with just a few clicks.

### Highlight

- Multilanguage applications. Easily create and manage your applications in multiple languages to meet global requirements. Far east languages are supported. Tools available in nHMI Developer support easy third-party translations and help reducing development and maintenance costs of the application
- Data display in numerical, text, bar graph, analog gauges and graphic image formats
- Rich set of state-of-the-art HMI features: data acquisition, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipes, users and passwords, e-mail and RSS feeds, rotating menus
- Includes support for a wide range of communication drivers for factory and building automation systems
- Multiple drivers communication capability
- Off-line simulation of the HMI application with nHMI Developer
- Powerful scripting language for automating HMI applications. Script debugging improves efficiency in application development
- Rich gallery of symbols and objects
- Project templates

## Specifications

### CPU Support

- ARM 9 (400 MHz)

### Main Memory

- 128MB SDRAM

### Display

- 7" TFT, 800 x 480
- Luminance 300 (cd/m<sup>2</sup>)
- View angle 140/120 (H/V)
- Backlight Lifetime 20,000 hours
- Contrast ratio 500:1

### Net Weight(Kgs)

- 0.68 Kg

### I/O Interface

- 1 x USB 1.1 host Type A
- 1 x USB 2.0 device Type B
- 2 x RS232/422/485, COM1, COM2
- 1 x RS232/485, COM3
- 1 x 10/100 Mbit Ethernet Port
- 1 x SD Card Slot

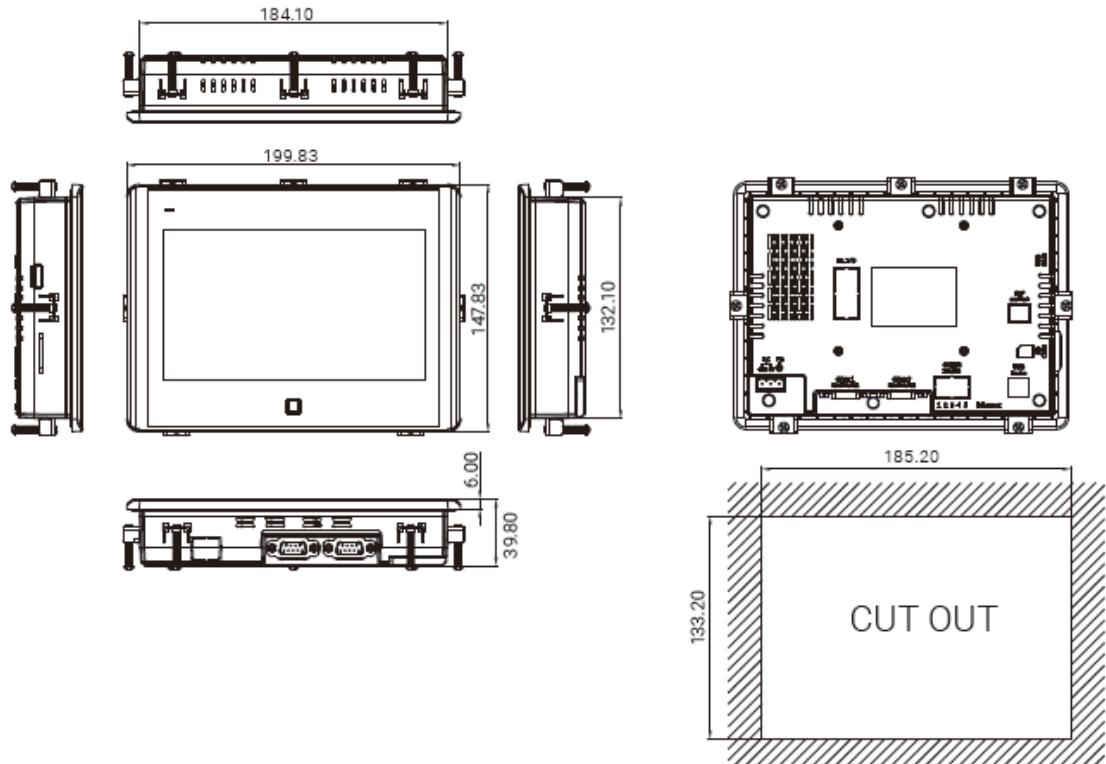
### Touch Screen

- 4-wire resistive touch

### Power

- 19.2 ~ 28.8V Isolated Power

## Dimension Drawing



### Power Requirements

- 19.2 ~ 28.8V Isolated Power

### Dimensions

- 199.8mm (W) x 39.8 mm (D) x 147.8 mm (H)

### Mounting

- Panel or VESA 75 mm x 75 mm mount

### Cut-out

- 185.2 mm(W) x 113.2 mm(H)

### Construction

- Painted Plastic IP65 front bezel

### Environment

- Operating temperature:

Ambient with air flow: 0°C to 50°C

- Storage temperature: -20°C to 60°C

- Relative humidity: 10% to 90% @ 40°C, (non-condensing)

- SED protection:

Level 4 (Contact Discharge 8KV, Air-Gap Discharge 15KV), Class A

### Certifications

- CE
- FCC
  - EN 61000-6-4
  - EN 61000-6-2

## Ordering Information

- **nHMI-07L(P/N: 79NH007L01X00)**

7" TFT 800 x 480 fan-less HMI with ARM9 (400 MHz)  
CPU, 128MB RAM, 128M Flash, resistive touch screen,  
Ethernet, 19.2 ~ 28.8V isolated power, painted plastic  
chassis and IP65 front bezel