eSMART07N

ASIA ONLY

Main Features

- 7" TFT color display, LED backlight
- 800 x 480 pixel (WVGA) resolution, 16.7M colors
- Resistive touchscreen
- 1 x Ethernet port

- 1 x USB host port
- 1 x RS232/422/485 communication port
- Extremely cost efficient HMI with plastic chassis
- Slim design. Mounting depth less than 30mm

Product Overview

The eSMART Series HMI products combine state-of-the-art features and top performance with an outstanding design. They are the ideal choice for adding affordable functionality and control to your system. The eSMART07N features a bright 7" TFT widescreen (16:9) display with a fully dimmable LED backlight. The JMobile software offers full vector graphic capabilities and plenty of connectivity options.

Hightlight

- JMobile runtime included. Full compatibility with JMobile Studio
- Full vector graphic support. Native support of SVG graphic objects. Transparency and alpha blending
- Multilanguage applications. Easily create and manage your applications in multiple languages to meet global requirements. Far east languages are supported. Tools available in JMobile studio support easy third-party translations and help reducing development and maintenance costs of the application
- Data display in numerical, text, bargraph, 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
- Remote monitoring and control. Client- Server functionality. Mobile clients supported
- Remote maintenance and support with VNC-based functionality
- Off-line simulation of the HMI application with JMobile studio
- Powerful scripting language for automating HMI applications. Script debugging improves efficiency in application development.
- Rich gallery of symbols and objects
- Project templates
- Optional plug-in modules for fieldbus systems, I/O and controllers
- Display backlight dimmable to 0%

Specifications

Panel

- LED Size: 7", 16:9
- Resolution: WVGA 800x480
- Luminance: 200cd/m^2
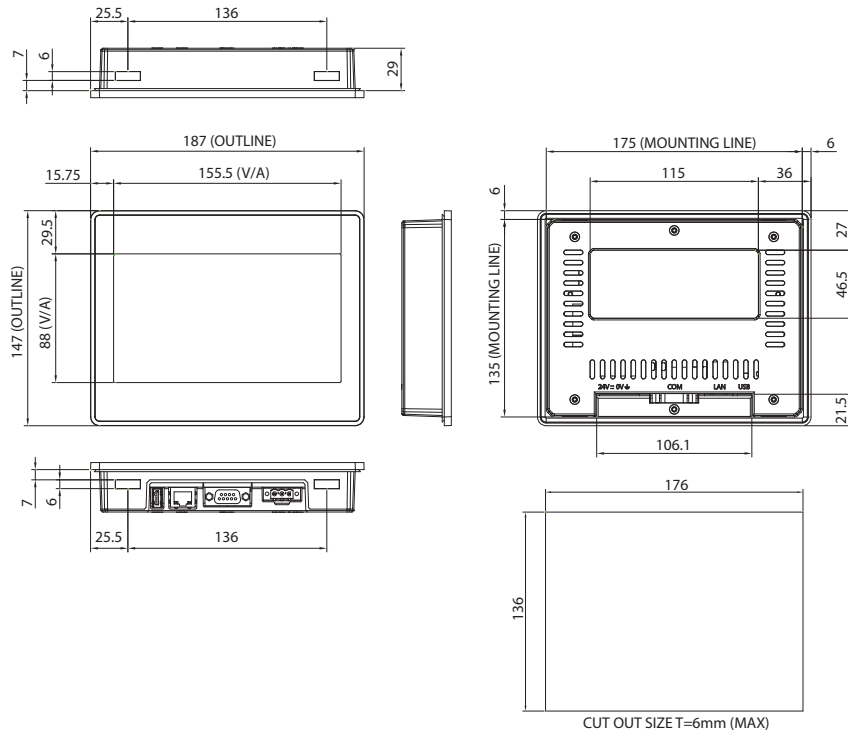- LCD color: 64K
- Backlight: LED

System Resources

- CPU: ARM Cortex-A8 300MHz
- Operating system: Linux 3.12

- Memory: 2G eMMC flash
- RAM: 256MB DDR
- Application Memory: 60MB
- Real Time Clock: Yes
- RTC Backup: Supercapacitor
- Buzzer: Yes

Operator Interface

- Touchscreen: analog resistive

HMI

NEXCOM

Dimension Drawing

CUT OUT SIZE T=6mm (MAX)

Interface

- Ethernet: 1x 10/100 Mbit
- USB: 1x USB2.0 host interface
- Serial: 1x RS232/422/485 software configuration

Ratings

- Power supply voltage: 24Vdc (18 to 32 Vdc)
- Current consumption: 0.3A at 24Vdc (max.)
- Weight: 0.6kg

Environmental Conditions

- Operating temperature: 0°C to 50°C (vertical installation)
- Storage temperature: -20°C to 70°C
- Operating and storage humidity: 5%~85% relative humidity, non-condensing
- Protection class: IP66/NEMA4X (front), IP20 (rear)

Dimensions

- Faceplate LxH: 187x147 mm
- Cutout AxB: 176x136 mm
- Depth D+T: 29+5 mm

Certifications

- CE (emission EN61000-6-3/4; immunity EN61000-6-1/2 for installation in industrial environments)
- cULus (UL508 Listed)

Ordering Information

- **eSMART07N (P/N: 10IE0000708X0)**
  7" widescreen TFT WVGA touchscreen with Ethernet and USB interfaces. JMobile run-time

* Note:
  This product is only for Taiwan, China, Thailand, Vietnam, Philippines, Korea, UAE and Saudi Arabia

Last update: 03/09/2016