eSMART07N

7" Widescreen TFT WVGA HMI Panel PC
with Touchscreen

ASIA ONLY

Main Features

- 7" TFT color display, LED backlight
- 800 x 480 pixel (WVGA) resolution, 64K 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.
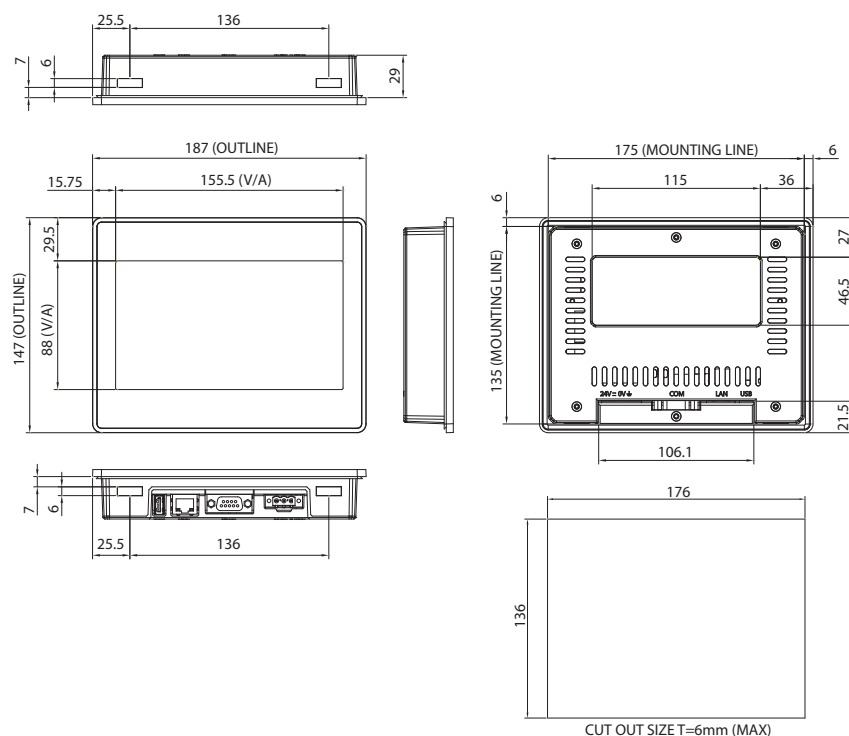
Hightlight

- 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

Technical Data	eSMART07N	Technical Data	eSMART07N
Panel	- 7", 16:9, WVGA, 800 x 480 - Luminance: 200 cd/m² typ. - LCD color: 64K - Active display area: 7" diagonal - Backlight: LED	Ratings	- Power supply voltage: 24Vdc (18 to 32 Vdc) - Current consumption: 0.25A at 24Vdc (max.) - Fuse: Automatic - Weight: Approx. 0.4Kg
Operator Interface	- Touch: Resistive		

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Dimension Drawing

CUT OUT SIZE T=6mm (MAX)

Technical Data	eSMART07N	Technical Data	eSMART07N
System Resources	- CPU: ARM Cortex A8 300 MHz - Operating system: Linux 3.12 - RAM: 256MB DDR - Flash: 2 GB - Application memory: 60MB - Real-time clock: Yes - RTC backup: Supercapacitor - Buzzer: Yes	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 (front), IP20 (rear)
		Dimensions	- Faceplate LxH: 187 x 147 mm - Cutout AxB: 176 x 136 mm - Depth D+T: 29 + 5 mm
Interface	- Ethernet: 1 x 10/100Mbit - USB: 1 x host V2.0, max. 500 mA - Serial: 1 x RS232/422/485 software configuration	Certifications	- CE (Emission EN61000-6-4; Immunity EN61000-6-2 for installation in industrial environments) - CE (Emission EN61000-6-3; Immunity EN61000-6-1 for installation in residential environments) - cULus (UL508 Listed)

Ordering Information

◆ **eSMART07N (P/N: 10IE0000708X0) +ESMA07AN301**
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.

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HMI