

# eSMART07

The eSMART Series HMI products combine state-of-the-art features and top performance with an outstanding design. They have been designed to offer an outstanding price/performance ratio for challenging applications. They are the ideal choice for HMI applications including factory and building automation.

eSMART07 features a bright 7" TFT widescreen (16:9) display with a fully dimmable LED backlight.



- 7" TFT color display, LED backlight
- 800x480 pixel (WVGA) resolution, 64K colors
- Resistive touchscreen
- Ethernet port
- USB port

## Highlights

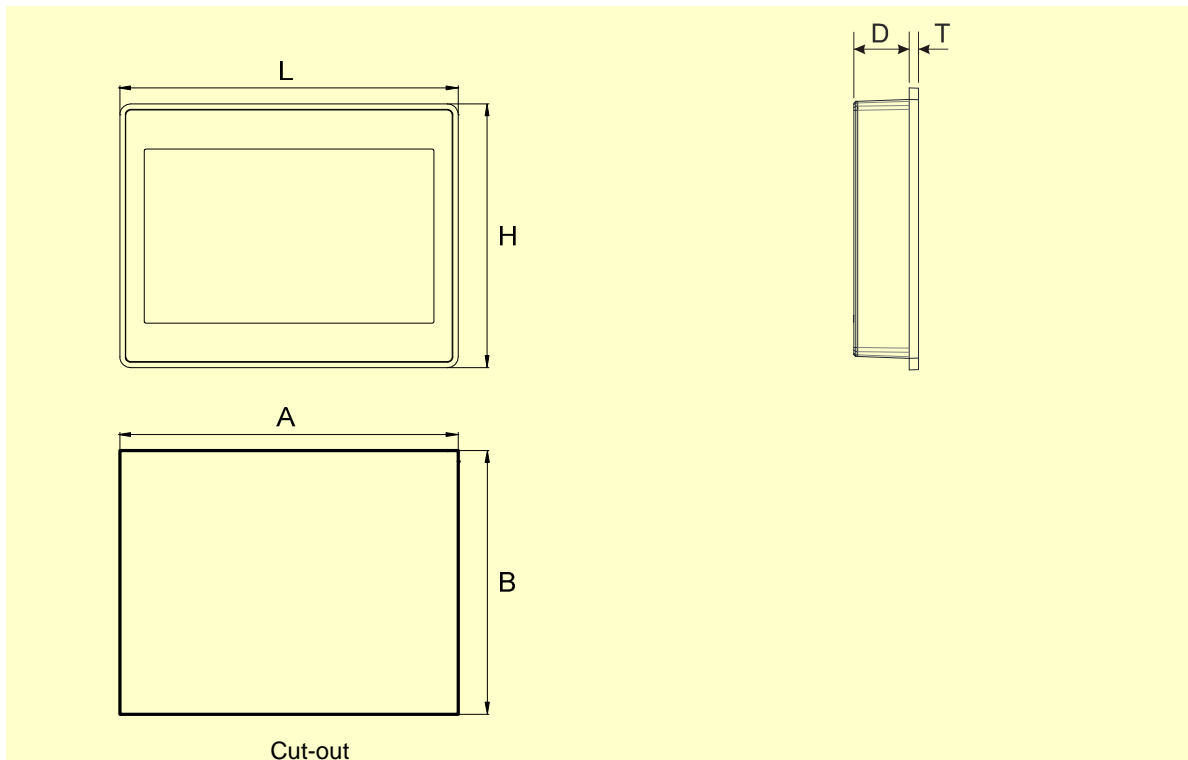
The eSMART HMI products have been designed to run the JMobile software.

- Compatible with JMobileStudio.
- Full vector graphic support. Native support of SVG graphic objects, transparency and alpha blending.
- Screen object dynamics: control visibility and transparency, move, resize, rotate any object on screen. Change properties of basic and complex objects.
- Multilanguage applications with TrueType fonts. Easily create, install and maintain applications in multiple languages to meet global requirements.
- Data display in numerical, text, bargraph, analog gauges and graphic image formats.
- Rich set of state-of-the-art HMI features: data acquisition and logging, trend presentation, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipes, security and user management, e-mail and RSS feeds.
- Wide selection of communication drivers available with multiple-driver communication capability.
- Remote monitoring and control with Client-Server functionality.
- Off-line and on-line simulation with JMobile Studio.
- Powerful scripting language for automating HMI applications. Efficient script debugger improves productivity in application development.
- Rich gallery of objects and symbols.

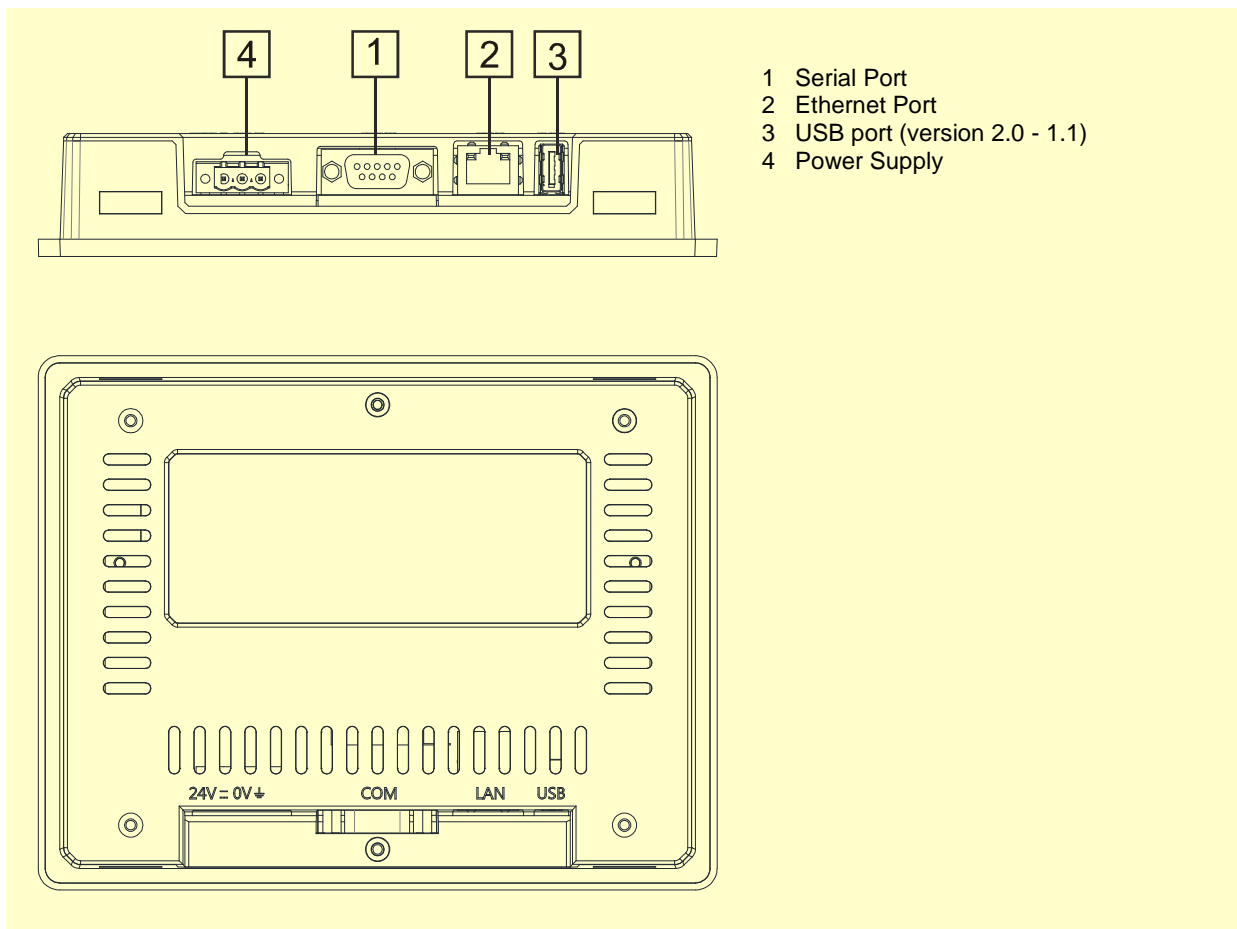
## Technical Data

<b>Display</b> Type Resolution Active display area Colors Backlight Brightness Dimming	TFT 800x480, WVGA 7" diagonal 64K LED 200 Cd/m <sup>2</sup> typ. Yes	Weight Approx 0.6 Kg	
<b>System Resources</b> CPU RAM Operating System User memory Real Time Clock RTC backup Buzzer	ARM Cortex A8 300 MHz 256 MB Linux 3.12 30 MB Flash Yes Supercapacitor Yes	<b>Environmental Conditions</b> Operating temperature Storage temperature Operating and storage humidity Protection class	0 to 50 °C (vertical installation) -20 to +70 °C 5 – 85 % relative humidity, non-condensing IP65 front IP20 rear
<b>User Interface</b> Touchscreen	Resistive	<b>Dimensions</b> Faceplate LxH Cutout AxB Depth D+T	187x147 mm (7.36x5.79") 176x136 mm (6.93x5.35") 29+5 mm (1.14+0.19")
<b>Interfaces</b> Ethernet USB Serial	10/100 Mbit Host (V2.0, max. 100 mA) RS-232, RS-485, RS-422, software configurable	<b>Approvals</b> CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments  Emission EN 61000-6-3 Immunity EN 61000-6-1, for installation in residential environments
<b>Ratings</b> Power supply voltage Current consumption Fuse	24 Vdc (18 to 32 Vdc) 0.15 A at 24Vdc (max.) Automatic	UL pending approval	cULus

**Dimensions**



**Connections**



**Ordering Information**

<b>Model</b>	<b>Part Number</b>	<b>Description</b>
eSMART07	+ESMA07U301	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime.

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