

eSMART07M

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.

eSMART07M 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

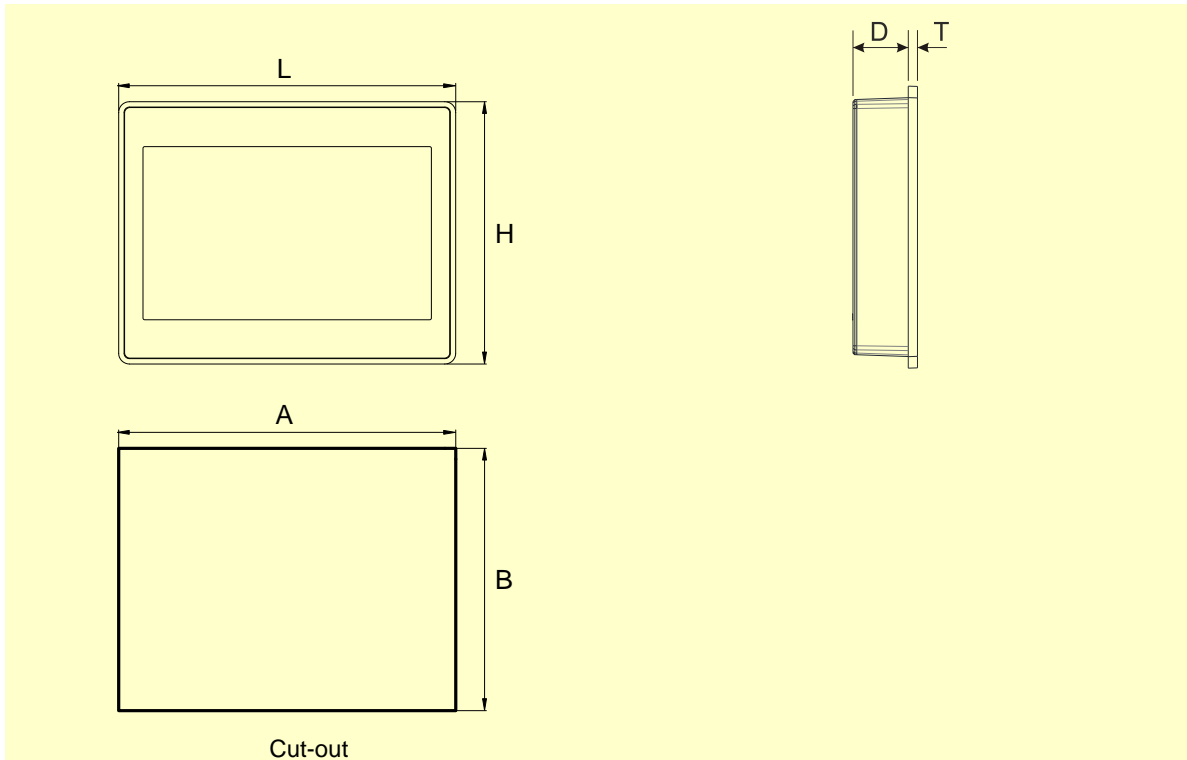
The eSMART HMI products have been designed to run the JMobile software.

- 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.

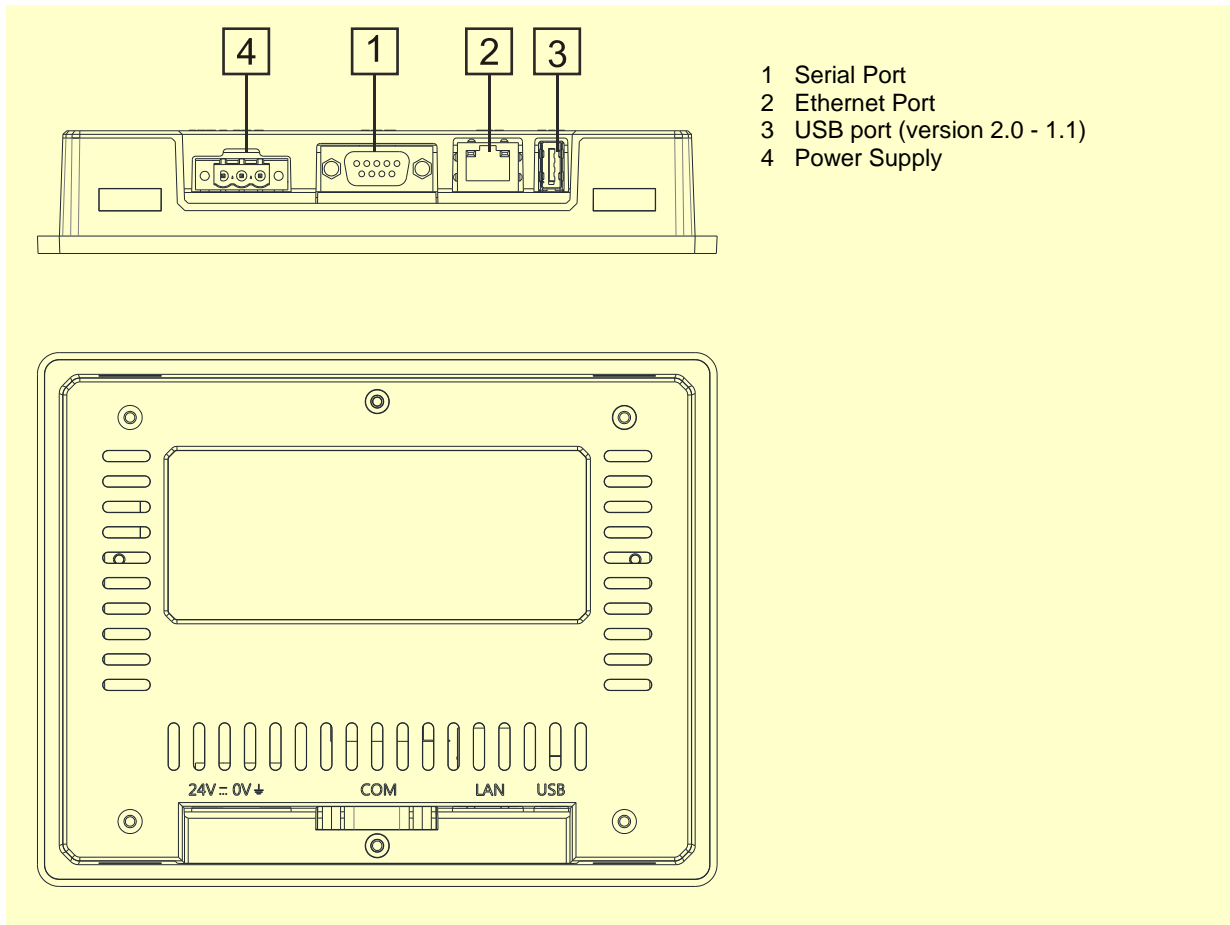
Technical Data

Display		Fuse	Automatic
Type	TFT	Weight	Approx 0.6 Kg
Resolution	800x480, WVGA	Environmental Conditions	
Active display area	7" diagonal	Operating temperature	0 to 50 °C (vertical installation)
Colors	64K	Storage temperature	-20 to +70 °C
Backlight	LED	Operating and storage humidity	5 – 85 % relative humidity, non-condensing
Brightness	200 Cd/m ² typ.	Protection class	Front: IP66, Type 2 and 4X Rear: IP20
Dimming	Yes	Dimensions	
System Resources		Faceplate LxH	187x147 mm (7.36x5.79")
CPU	ARM Cortex A8 1 GHz	Cutout AxB	176x136 mm (6.93x5.35")
Operating System	Linux 3.12	Depth D+T	29+5 mm (1.14+0.19")
RAM	512 MB	Approvals	
Flash	4 GB	CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
Application memory	60 MB		Emission EN 61000-6-3 Immunity EN 61000-6-1, for installation in residential environments
Real Time Clock	Yes	UL	cULus
RTC backup	Supercapacitor		
Buzzer	Yes		
User Interface			
Touchscreen	Resistive		
Interfaces			
Ethernet	1x 10/100 Mbit		
USB	1x Host (V2.0, max. 500 mA)		
Serial	1x RS-232/RS-485/RS-422, software configurable		
Ratings			
Power supply voltage	24 Vdc (18 to 32 Vdc)		
Current consumption	0.3 A at 24Vdc (max.)		

Dimensions



Connections



Ordering Information

Model	Part Number	Description
eSMART07M	+ESMA07MU301	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime.

ptn0522

Ver. 1.2

Copyright © 2015 Exor International S.p.A. – Verona, Italy

Subject to change without notice

The information contained in this document is provided for informational purposes only. While efforts were made to verify the accuracy of the information contained in this documentation, it is provided "as is" without warranty of any kind.

www.exorint.net