



eSMART07M

The eSMART Series HMI products combine state-of-the-art features and top performance with an oustanding 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, trasparency 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.





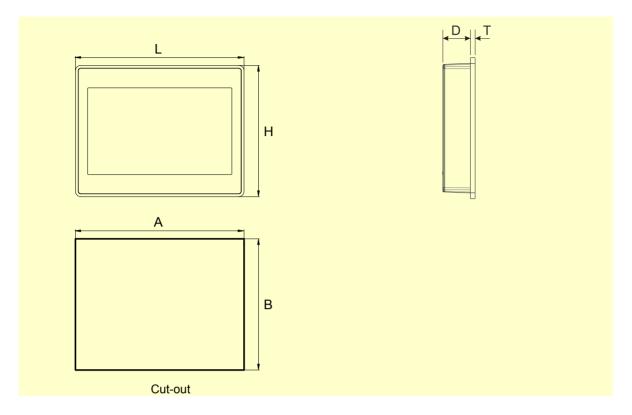
Technical Data

		F	A . ((
Display		Fuse	Automatic
Туре	TFT	Weight	Approx 0.6 Kg
Resolution	800x480, WVGA		
Active display area	7" diagonal	Environmental	
Colors	64K	Conditions	
Backlight	LED	Operating temperature	0 to 50 °C (vertical installation)
Brightness	200 Cd/m ² typ.	Storage temperature	-20 to +70 °C
Dimming	Yes	Operating and storage	5 – 85 % relative humidity,
3		humidity	non-condensing
System Resources		Protection class	Front: IP66, Type 2 and 4X
CPU	ARM Cortex A8 1 GHz	. Totalian diaca	Rear: IP20
Operating System	Linux 3.12		real: II 20
RAM	512 MB	Dimensions	
Flash	4 GB	Faceplate LxH	187x147 mm (7.36x5.79")
Application memory	60 MB	Cutout AxB	176x136 mm (6.93x5.35")
Real Time Clock	Yes		29+5 mm (1.14+0.19")
RTC backup	Supercapacitor	Depth D+T	29+5 11111 (1.14+0.19)
Buzzer	Yes	Annewala	
Buzzei	103	Approvals	Fasianian FN 04000 0 4
User Interface		CE	Emission EN 61000-6-4
Touchscreen	Resistive		Immunity EN 61000-6-2
rouchscreen	Resistive		for installation in industrial
Interfaces			environments
	4 40/400 BMb:4		
Ethernet	1x 10/100 Mbit		Emission EN 61000-6-3
USB	1x Host (V2.0, max. 500 mA)		Immunity EN 61000-6-1,
Serial	1x RS-232/RS-485/RS-422,		for installation in residential
	software configurable		environments
Detinas			
Ratings	04)/4- (40 +- 00)/4-)	UL	cULus
Power supply voltage	24 Vdc (18 to 32 Vdc)		
Current consumption	0.3 A at 24Vdc (max.)		

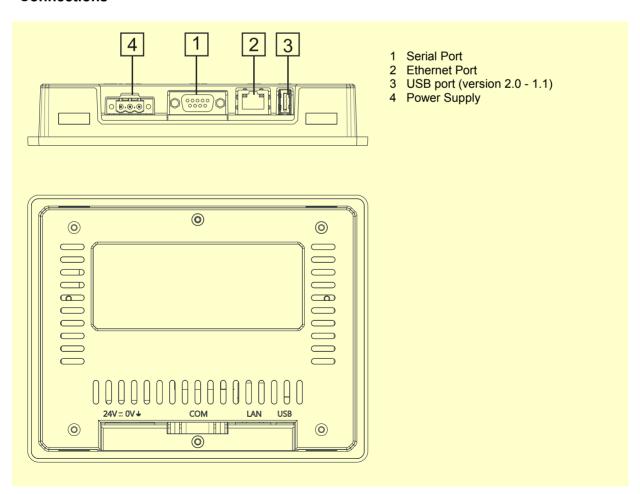




Dimensions



Connections







Ordering Information

Model eSMART07M Part Number +ESMA07MU301 Description

7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime.

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