

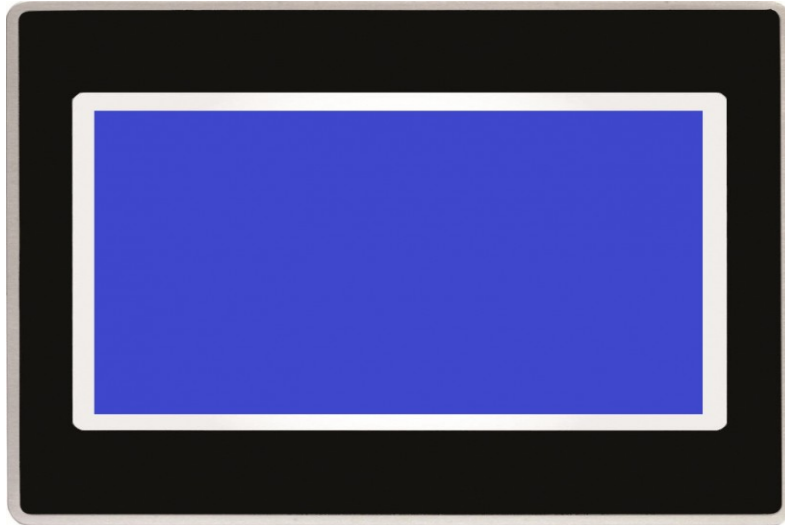
## GENIUS7P

NAVIOP offers a wide range of products that can be used stand-alone, to make limited checks or to show small size boats' data, or that can be included within wider configurations for complete control and monitoring systems.

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Please contact our official dealer for your Country to choose the most suitable configuration for your project.

## GENIUS 7P display



**The compact GENIUS 7P operating panel** represents a no-compromise low-cost product belonging to GENIUS Series. The built-in dual 100Mb Ethernet interfaces with switch function enhance its communication capability and make it the ideal choice for small systems.

**The GENIUS 7P** features a 7" TFT widescreen (16:9) display with LED backlight and full vector graphic capabilities. The new polycarbonate touch screen display has been designed specifically for harsh environments.

**More than 150 communication drivers** and multilanguage applications management.

**Vector graphics capabilities** with native support of SVG graphic objects and transparency management.

**Remote monitoring and control.** Client-Server functionality.

**Optional plug-in** modules for fieldbus systems, networks I/O and controllers. Wide dimming to 0% supported

**Alarms and alarm history list.** Alarm and alarm history list can be printed or transferred to an host computer.

### Available features:

- 7" TFT color display
- 800 x 480 pixel resolution, 64K colors
- Resistive touch screen
- 2 x Ethernet interface with switch function
- 2 x USB Host port
- Multistandard Serial port
- Connection to bus systems using optional plug-in modules
- Slim design.

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## GENIUS 7P display

### Display

Type:	TFT
Resolution:	800 x 480 pixel
Active display area:	7" diagonal
Colors:	64K
Backlight:	White LED
Brightness:	300 cd/mq typ.
Dimming:	Yes

### Memory

User Memory:	128 MB flash
Memory Card:	SD card slot
RAM:	256MB DDR

### Front panel

Touch screen:	Analog resistive
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### Interfaces

Ethernet port:	2 10/100 Mbit with integrated
USB port:	2 Host interface (version 2.0; version 1.1 and 2.0)
Serial port 1:	RS-232/422/485 configurable
Expansion slot:	2 Plugin slot Expansion

### Functionality

Vector graphics:	Yes, includes SVG support
Multilanguage:	Yes, with runtime language switching
Multiple driver communication:	Yes
Data acquisition and trends:	Yes. Flash memory storage limited only by available memory.
Recipe memory:	Yes. Flash memory storage limited only by available memory.
Users and passwords:	Yes
Alarms:	Yes
Event List:	Yes
Hardware RTC:	Yes with battery back-up
Screen saver:	Yes
Buzzer:	Yes, audible feedback for touchscreen

### Ratings

Power supply voltage:	24 Vdc (9 ÷ 32 Vdc)
Current consumption:	0.7A a 24 Vdc (max)
Fuses Number:	Automatic
Battery:	Rechargeable Lithium battery, not user-replaceable

### Environmental conditions

Operational temperature:	0 ÷ +50 °C
Storage temperature:	-20 ÷ +70 °C
Operative and storage humidity (RH%):	5 ÷ 85% relative humidity non-condensing
Protection class:	IP66 (front), IP20 (rear)

### Dimensions

Faceplate:	187 x 147 mm
Cutout:	176 x 136 mm
Mounting depth:	47 + 4 mm
Weight:	Approx. 1 Kg

### Approvals

CE:	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
DNV:	DNV Type approval Certificate