

GENIUS12P

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.

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

GENIUS 12P display



The GENIUS 12P 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 12P features a 12.1" TFT 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:

- 12.1" TFT color display
- 800 x 600 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.

Official Dealer:
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Display

Type:	TFT
Resolution:	800 x 600 pixel
Active display area:	12.1" diagonal
Colors:	64K
Backlight:	White LED
Brightness:	250 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:	9 ÷ 32 Vdc
Current consumption:	1.2A at 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:	336 x 267 mm
Cutout:	326 x 256 mm
Mounting depth:	56 + 4 mm
Weight:	Approx. 2.8 Kg

Approvals

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

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