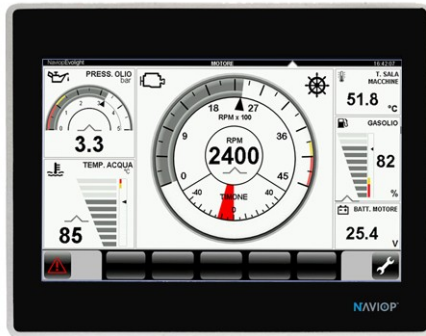


GENIUS7G

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 7G display



GENIUS 7G operating panel combines state-of-the-art features and top performance with an outstanding design. It is the ideal choice for HMI applications in marine environments.

GENIUS 7G features a wide 7" TFT (16:9) high brightness glass display with LED backlight and full vector graphic capabilities. Designed for harsh environments, the new display has a true glass touch screen with Anti-Reflective glass surface treatment. This durable touch screen guarantees high brightness and very high contrast, therefore it is perfect in unfavourable conditions and in marine 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.

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

Available features:

- High Bright 7" TFT colour display in glass, LED backlight
- 800x480 pixel (WVGA) resolution, 64K colours
- 128 Mbyte Flash Disk
- 256 Mbyte DDR
- Projective Capacitive touchscreen
- 2 x Ethernet interface with switch function
- 2 x USB Host port
- Connection to bus systems using optional plug-in modules
- Slim design.

Official Dealer:
NAVIOP S.r.l.
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Mob. +39 335 7483676
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GENIUS 7G display

Display

Type:	TFT
Resolution:	800 x 480 WVGA
Active display area:	7" diagonal
Colors:	64K
Backlight:	White LED
Brightness:	400 cd/mq typ.
Dimming:	Yes

Memory

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

Front panel

Touch screen:	True glass Projective Capacitive
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Interfaces

Ethernet port:	2 10/100 Mbit with integrated switch
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 batterie back-up
Screen saver:	Yes
Buzzer:	Yes, audible feedback for touchscreen

Ratings

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

Environmental conditions

Operational temperature:	-20 ÷ 60 °C (vertical installation mounting)
Storage temperature:	-40 ÷ 85 °C
Operative and storage humidity (RH%):	5 ÷ 85% relative humidity non-condensing
Protection class:	IP69K (front panel), IP20 (rear)

Dimensions

Faceplate:	187 x 147 mm
Cutout:	176 x 136 mm
Weight:	Approx. 1.0 Kg
Mounting depth :	47 + 8 mm

Approvals

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