

T-43GN-V

Available versions: display
12" (T-33GN-V)

Please contact AcsonMarine
to choose the most suitable
configuration for your
project.

Official Dealer:
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GN-V Series 15" operating panel



The T-43GN-V operating panel is a state-of-the-art HMI device specifically designed for use in marine environments. It features a high-brightness 15" display that is perfect for any superior optical sunlight and unfavourable light conditions. The TFT 64K color display with resistive touch-screen, enables to input quick and precise commands while the extended operating temperature range allows to mount it even in hostile environments. The product is RINA and GL approved.

Up to 2 CANBUS, 1 RS232 , 1 RS232/422/485 configurable, 1 10/00Mbit Ethernet, 1 USB communication ports allow a spread interface capability with onboard systems.

More than 100 communication protocols implemented (engines, air conditioning, generators, entertainment systems, digital switching systems, etc.) and bridge functionality between different communication protocols with NaviOP monitoring and control software onboard.

Powerful and intuitive programming with the UniOP Designer 6 software.

Vector graphic capabilities including the support of multiple layers.

Analog gauge objects.

Up to 8 level password protection.

Data acquisition and trend presentation. Trend data can be transferred to an host computer using the Ethernet connection.

Data log functionality

Alarms and historical alarm list. Alarm and event information can be printed or transferred to an host computer using the Ethernet connection.

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Display

Type:	TFT
Resolution:	XGA 1024 x 768 pixel
Active display area:	304 x228 mm (15" diagonal)
Colors:	64K
Backlight *:	CCFL 50000 h
Brightness:	650 Cd/mq typ
Dimming:	Yes

Memory

Memory:	64 MB internal flash
Alternate user memory:	Optionale removable 32/64 MB SSFDC memory card

Front panel

Touch screen:	Analog Resistive
Function keys:	1
System keys:	-
User LEDs:	1
User LEDs:	4

Interfaces

PC/Printer port:	Yes, RS-232
PLC port:	RS-232, RS-485, RS-422, 20 mA Current Loop
Ethernet port:	10/100 Mbit
USB port **:	Host 1.1 version
Aux ports (fieldbus and Ethernet):	Yes, with optional modules
DX port:	Yes
UniNet network:	Client Server
Serial programming speed:	9600 - 38400 bps
Local I/O:	Yes, with optional modules

Functionality

Vector graphics:	Yes
Dual driver capability:	Yes
Data acquisition and trends:	Yes
Recipe memory:	Yes
Alarms:	1024
Event List:	1024
Password:	Yes
Hardware RTC:	Yes, battery back-up
Screen saver:	Yes
Buzzer:	Yes, audible feedback for touch screen

Ratings

Power supply voltage:	24 V DC (18 to 30 Vdc)
Current consumption:	Up to 1.7A at 24 Vdc (max.)
Fuse:	Automatic
Weight:	4,2 Kg
Battery:	3V 285 mA Lithium, non rechargeable, user replaceable, RENATA model CR2430. Replace with same component or equivalent.

Environmental conditions

Operational temperature:	0 to 45°C
Storage temperature:	-20 a +70 °C
Operative and storage humidity:	5 - 85% RH non-condensing
Protection class:	IP65 (front panel) IP20 (rear)

Dimensions

Faceplate LxH:	392 x307 mm
Cutout AxB:	381 x 296 mm
Mounting depth D:	101 mm

Approvals

CE:	Emission EN 61000-6-2 Immunity EN 61000-6-4 for installation in industrial environments EN 60945
Germanischer Lloyd ***:	Type approval certificate, category C, EMC1
RINA ***:	Type approval certificate for installaton in naval environments

* The lamp lifetime is the typical value for continuous operations at 25°C. ** The operation of the built-in USB interface and recipe storage to flash memory requires an appropriate firmware version and the use of Designer 6.07 or higher. *** A filter NEF 1-10 Phoenix Contact or equivalent must be installed to comply with emission limits for equipment installed in naval environments in the bridge and deck zone according to RINA rules.

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