

Military Defence



**GEM** elettronica

# WLN-100

Multifunctional Console



The WLN-100 is a multipurpose ergonomic console. It has been specifically designed and developed for Navy application and supports: C4I applications, Radar, Electronic Charts system, Optronic, shipboard database and weapons interfaces.

- Dual redundant configuration for power supply, data interface unit and main processor leading to very high availability and maintainability.
- Extensive online BITE
- RGB and HDMI output ports to optional external monitor.
- USB port for connection to external mass storage device.
- Rugged circular connectors according to MIL-C-26482 specification
- Synchro to digital converter available for gyro input.
- Dual redundant LAN interface to onboard network

## Monitor

Display sizes	24" Wide Screen LCD (TFT)			
Display properties	Size - Active area (Aspect) 23,6" - 521 x 293 mm (16/9)	Luminance 250 Cd/m <sup>2</sup>	Contrast 3000:1	Resolution 1920x1080
View angle	Size 23,6"	View angle (L/R/T/B) (typical) 89° / 89°		
Materials	Sea Water Resistant Aluminium w. black powder coating RAL 9005			
Screen	Anti - Reflection coated front glass			

## Environmental Conditions

Operating Temperature	-15 to 55° C
Storage Temperature	-20 to 60° C
Relative Humidity	93% @ 43° C
Protection grade	IP44
Shock	10 g, 11 ms half sine

## Compliance Environmental

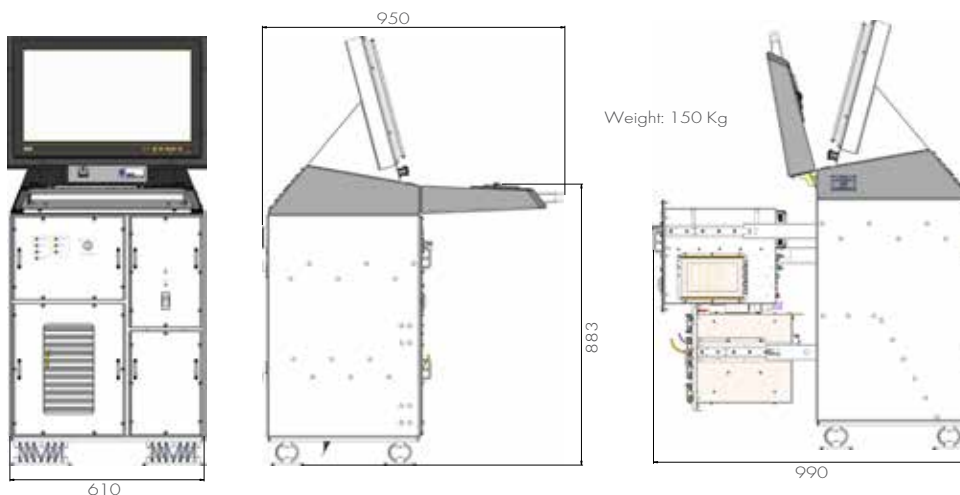
Marine:	IEC 60945, MIL-STD-1474E
ECDIS:	IEC 61174 Ed.4, STANAG 4564, STANAG 7170
Radar/Navigation:	IEC 62288 Ed.2, IEC 62388 Ed.2
Electrical:	MIL-HDBK-2036, MIL-STD-1310, MIL-C-26482
I/O interfaces:	IEC 61162-1/2, IEC 61162-450
Uman engineering:	MIL-STD-1472

## Power Supply

Standard	90-264 Vac 50-60 Hz Input	
Power Consumption	Ptyp (VA) 270	Pmax (VA) 310

## Physical dimensions

Size	625 (W) x 950 (D) x 1347 (H)
Weight	150 Kg (depending on configuration)



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