



EN60945

iX T15BM

Built for life at sea

The iX T15BM is a fully certified 15 inch marine operator panel with high-resolution touch-screen and robust design. With black front and non-branded front foils, the iX T15BM is easy to integrate. Benefits include classic marine features such as dimmable backlight and high brightness display.

From bridge to engine room

The new panel adds strength to Beijer Electronics' total marine HMI offer including marine and rugged marine HMIs. A competitive range of HMIs designed for installations off-shore and on all locations on-board ships, including bridge, cabin, engine room and even outdoors.

Smarter iX HMI software

The iX HMI software provides smart tools to communicate efficiently on all hardware. It combines top-class vector graphics and easy-to-use functions that provide intuitive and reliable operation. And it gives almost limitless connectivity to other equipment through the extensive list of drivers.



- Marine certifications DNV, GL, ABS, LR, KR
- Bright 15.4", 1280 × 800 pixel, TFT-LCD touch screen
- High brightness display, 1,000 cd/m² backlight with anti-reflective film
- Black front with black frames and non-branded front foils
- Operating temperature: -15 to 55 °C
- IP66 sealing and galvanically isolated
- CiX CAN module to interface with controllers



ix T15BM	
Display	
Type	1280 × 800 pixels, TFT color LCD
Size	15.4"
Lighting	White LED
Brightness	450 cd/m ² or 1,000 cd/m ²
Backlight lifetime	50,000 hrs
Dimming	Maritime optimized to 0 cd/m ²
Touch screen	
Type	Analog-resistive (matte)
Interfaces	
Ethernet	1 × 10/100Base-T, 1 × 10/100/1000Base-T
Serial	1 × RS232, 1 × RS422/485 (isolated)
USB	3 × USB Host 2.0, max 500mA
Communication modules	CiX CAN module (optional): 2 × galvanically isolated ports
Processor	
Type	1.0 GHz Intel® Atom™
Memory	
RAM	1GB
Flash	2GB
External storage media	One SD card slot
Realtime clock	
Standard	Battery-backed
Power	
Input voltage	24VDC (18-32VDC)
Consumption	28 W
Mechanical	
Type	Panel-mount
Size W×H×D	410 × 286 × 83mm
Cut-out dimensions W×H	394 × 270 mm
Mass	4.5 kg
Housing material	Black powder-coated aluminum
Environmental	
Ingress protection	IP66 front panel
Temperature	Operating: -15 to 55 °C Storage: -20 to +70 °C
Vibration/shock	0.7g RMS / 10g 11ms half sine
Certifications	
UL	UL/cUL 508
Marine	DNV, GL, ABS, LR, KR
Hazardous	N/A
CE	EN61000-6-4, EN61000-6-2
Software	
Development environments	ix Developer
Runtime environments	ix HMI Software

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Certifications



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The iX T15BM carries certifications for the environments in which it is designed to function.

Marine certifications

Additionally the iX T15BM has been tested and certified to meet marine standards that are established to ensure that ships and their equipment are constructed safely. Since the design of the iX T15BM allows operation in extreme environmental conditions the unit can meet extended classes of marine certifications not normally carried by marine HMIs. Having both marine and the above mentioned hazardous location certifications is also a unique feature of this terminal. There are dozens of certifying agencies around the world. The following apply to the iX T15BM.

DNV (Det Norske Veritas) is a Norwegian certification.

Temperature: Class B
Humidity: Class B
Vibration: Class A
EMC: Class B
Enclosure: Class C

GL (Germanischer Lloyd) is a German certification.

Environmental category A, EMC1.

ABS (American Bureau of Shipping) is a North American certification. Operating temp: -15 °C to +55 °C.

LR (Lloyd's Register) is a UK certification. For use in environmental category ENV1, ENV2.

KR (Korean Register of Shipping) is a Korean shipping, shipbuilding and industrial services classification society.

EN60945 Conforming to this standard allows the HMI to be used on the bridge of a ship within a specified distance

Industrial certifications

CE The iX T15BM has been tested by a NRTL to show compliance with the CE mark requirements for industrial panels which allows the product to be sold within the European Economic Area (EEA). The iX T15BR has been tested and shown to meet safety, emissions and susceptibility requirements including EN61000-6-4 and EN61000-6-2.