Multifunctional CAN-Bus Touch Display

Mangora® X-7

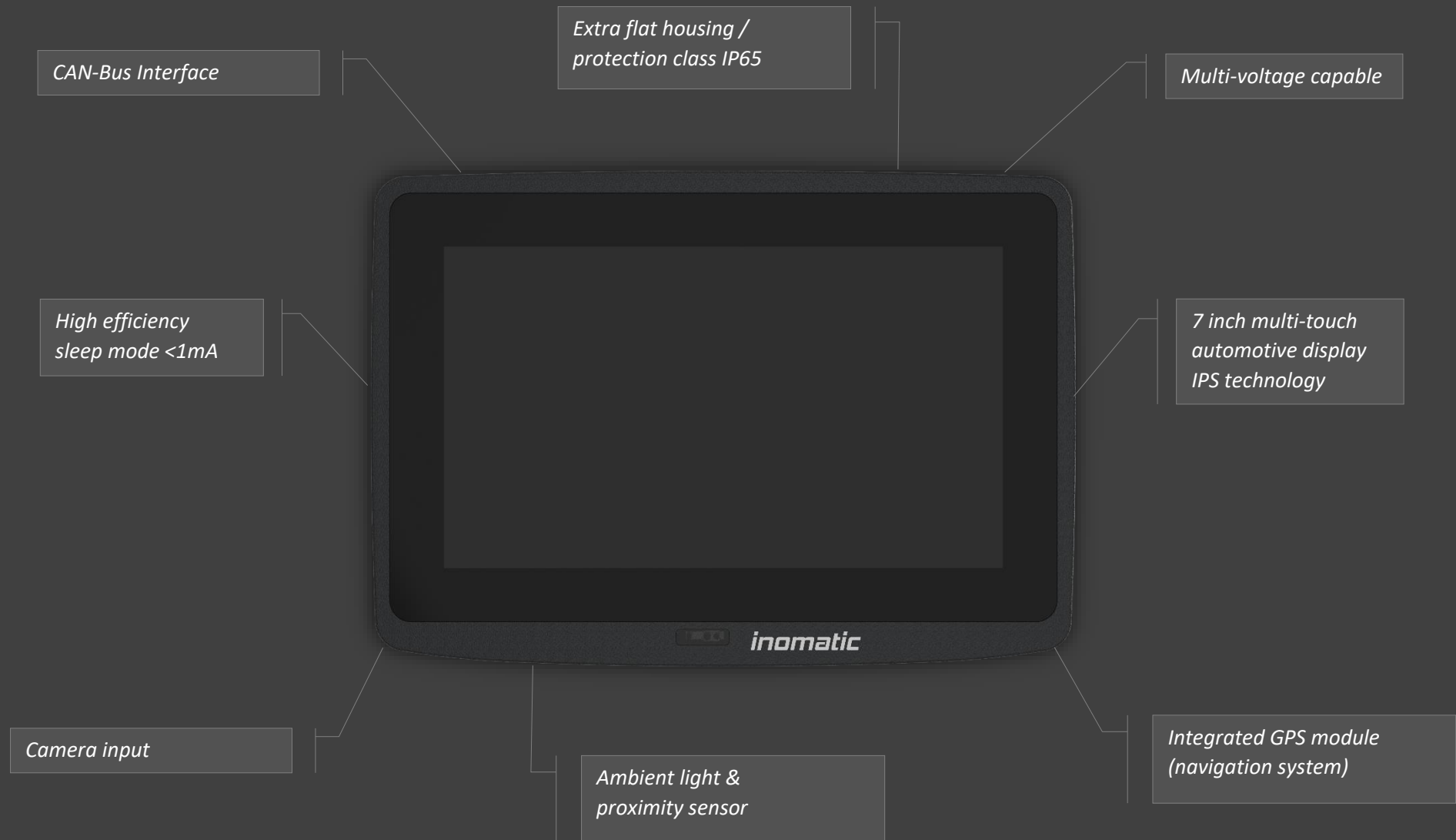Information brochure

Nearly unlimited application possibilities!

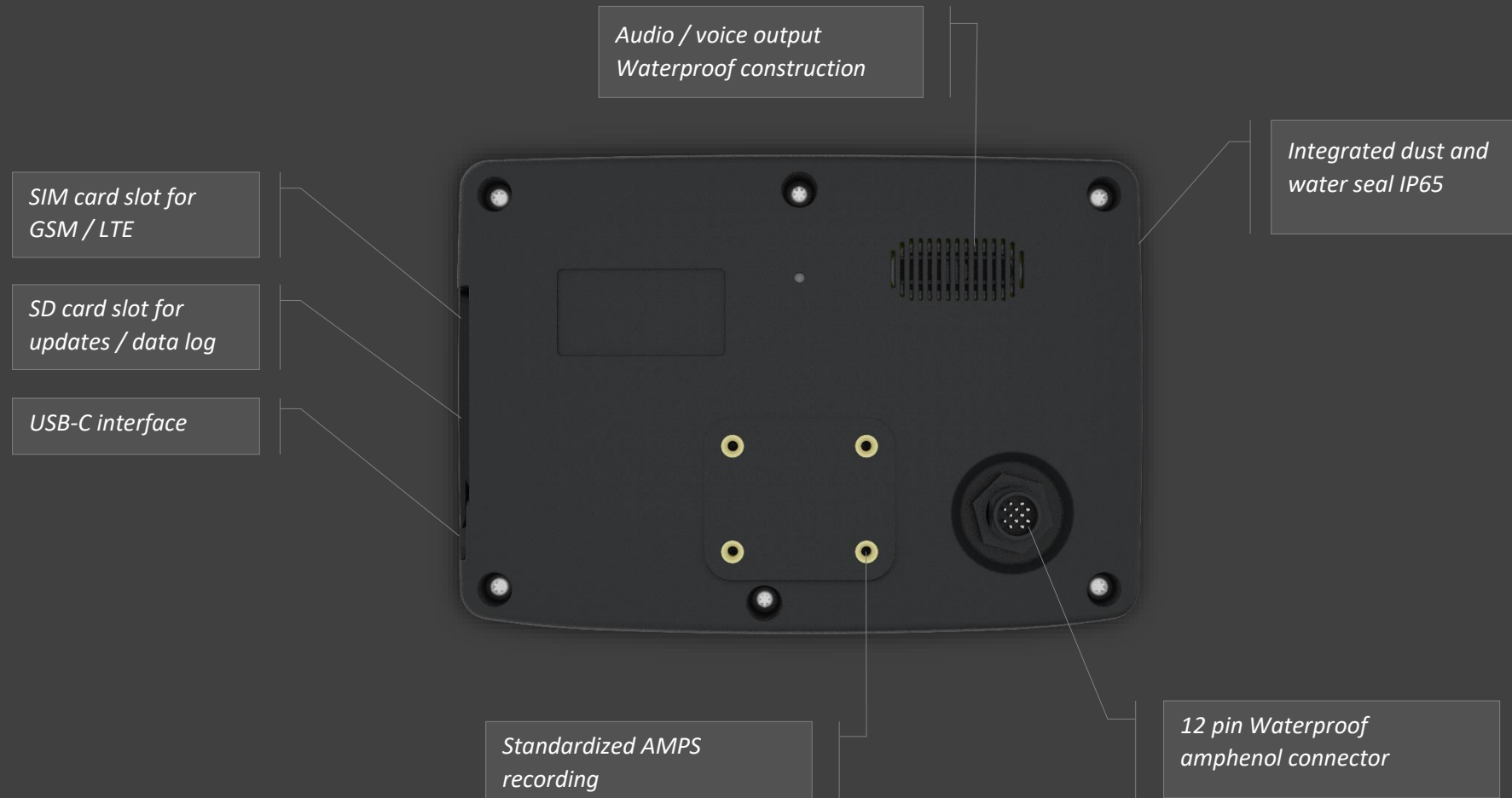**Mangora-APP with freely programmable display surface**

Use the Mangora app. Using a software tool, you can freely design and program the display surface of the multi-touch display according to your requirements. The touch display is able to communicate with the freely programmable control systems from inomatic.
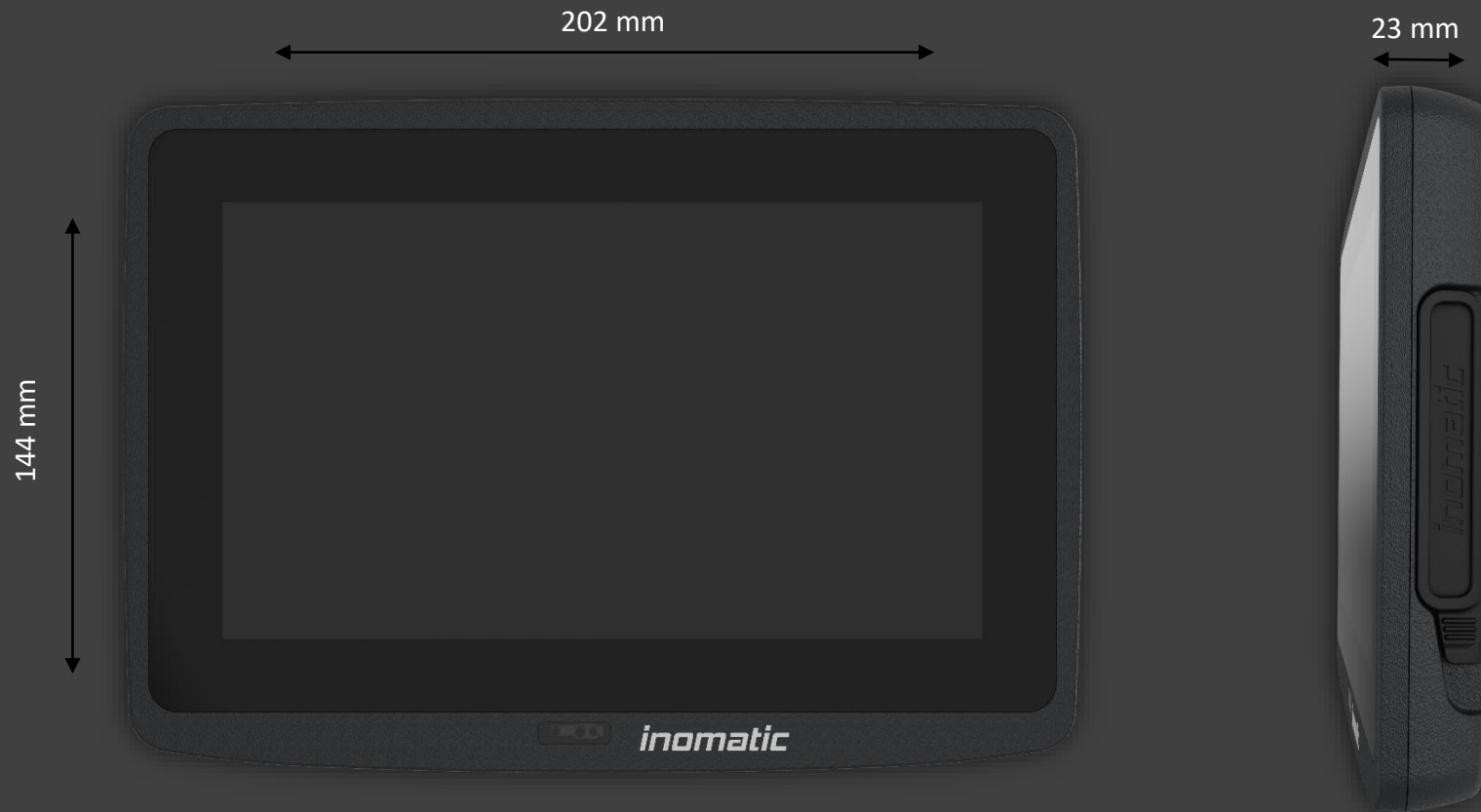
Use your own app

The Mangora X-7 touch display can be used system independently. This is the case, for example, if vehicle / machine manufacturers use their own or a third-party CAN bus system. In this case, in addition to the Mangora app, an app written by the manufacturer can also be installed and used on the touch display.

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CAN-Bus Interface

Extra flat housing / protection class IP65

Multi-voltage capable

High efficiency sleep mode <1mA

7 inch multi-touch automotive display IPS technology

Camera input

Ambient light & proximity sensor

Integrated GPS module (navigation system)

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Audio / voice output
Waterproof construction

Integrated dust and
water seal IP65

SIM card slot for
GSM / LTE

SD card slot for
updates / data log

USB-C interface

Standardized AMPS
recording

12 pin Waterproof
amphenol connector

Dimensions
Surface-mounted housing

202 mm

23 mm

144 mm

inomatic

Dimensions
installation variant

6 mm

Installation depth on the back
Approx. 16mm
Fastening on the back

Technical-Specifications	Mangora X-7 (Extended) Item No. N.B	Mangora M-7 LTE (Medium - LTE) Item No. N.B	Mangora M-7 (Medium) Item No. N.B	Mangora L-7 (Light) Item No. N.B
7" Multi-Touch-Display (IPS-Technology)	✓	✓	✓	✓
Multispannungsfähig 9,8...32VDC	✓	✓	✓	✓
Memory RAM	4 GB	2 GB	2 GB	1 GB
Flash	32 GB	16 GB	16 GB	8 GB
Surface-mounted housing protection class IP65 AMPS recording	✓	✓	✓	✓
Time RTC	✓	✓	✓	✓
Micro-SD slot	✓	✓	✓	✓
Sleep-Mode (high Efficiency) Current consumption <1mA bei 12V Wake-up <2 seconds	✓	✓	✓	✓

Display surface freely configurable via software	✓	✓	✓	✓
Digital input	✓	✓	✓	✓
Switching output 500mA	✓	✓	✓	✓
USB-C Interface	✓	✓	✓	✓
CAN-Interface CAN-FD	✓	✓	✓	✓
Integrated buzzer	✓	✓	✓	✓
Haptic vibration feedback (keystroke)	✓	✓	✓	✗
Ambient-light sensor	✓	✓	✓	✗
Proximity sensor	✓	✓	✓	✗
Bluetooth interface	✓	✓	✓	✗

WIFI interface	✓	✓	✓	✗
Tetra radio connection (e.g. Send / receive status messages)	✓	✓ *1)	✓ *1)	✗
Camera input PAL/NTSC	✓	✓	✓	✗
Navigation system GPS-module	✓	✓	✗	✗
Audio / voice output	✓	✓	✗	✗
GSM-module 4G / LTE network	✓	✓	✗	✗
Hotspot	✓	✓	✗	✗
Line-in input for microphone	✓	✓	✗	✗
ECE-R10 certification	in process	in process	in process	in process
CE- certification	in process	in process	in process	in process

*1) Only in conjunction with the inomatic CT-RS232 module Art.No. 07137.0.01.00

Note: Customer-specific assembly is available upon request.

Accessories

Name:	Item No.	
• RAM Mounts – Display recording 60mm • RAM Mounts – Display recording 100mm • RAM Mounts – Display recording 170mm	• To be assigned • 22.000390 • To be assigned	
Name: • Circular connector 12 pin ASSY-Lock + crimp contacts	Item No. • 24.000457	

Name:	Item No.	

• Sensor actuator cable 8-pin
  Vehicle cable 8x 0.25mm²
  Specially coated, black
 	
  Sold by the meter
	• 11.000103	

Name:	Item No.	

• External GPS antenna 3V
  Magnetic mount
  Potted including cable line
	• 22.000268	

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