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# MMX LCD7



## Optional Accessories



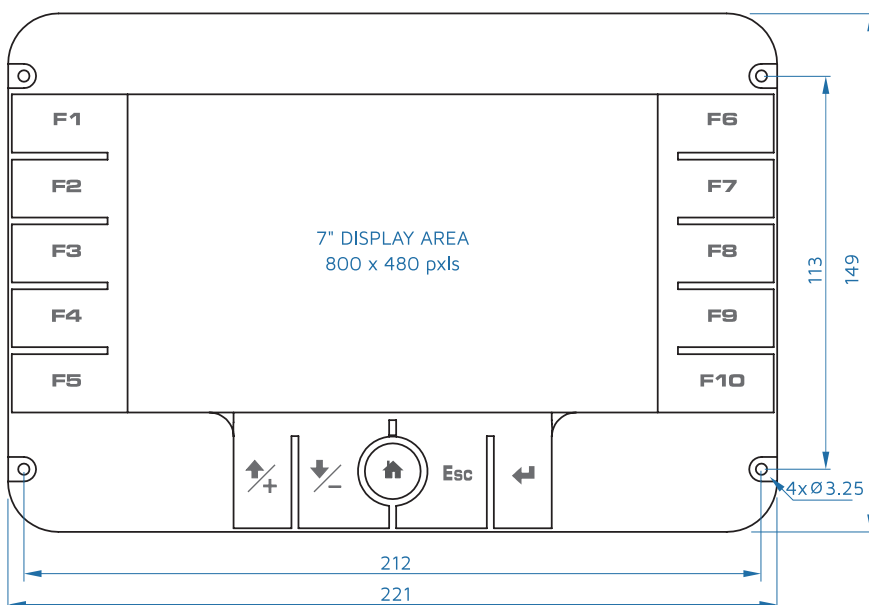
## Features and Benefits

- 1 Sunlight Readable
- 2 Anti-Reflective Glass
- 3 10 Soft Keys
- 4 5 Pre-Defined Hard Keys
- 5 Video Input
- 6 Cabin Or Panel Mount

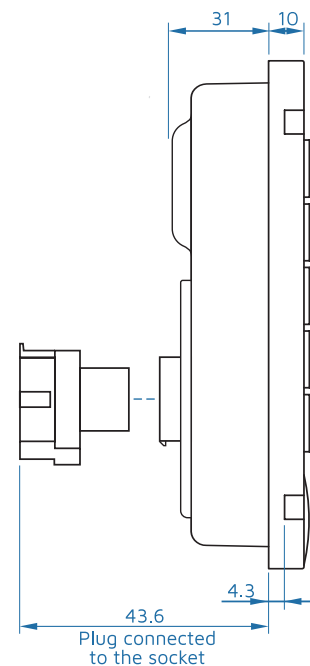
**MMX LCD7** Display unit is cost-efficient, rugged operator control panel for use on heavy-duty vehicles and work machines that must operate outdoor in harsh conditions. It is fully equipped with five hard and ten soft-function keys, integrated buzzer, CAN bus and video inputs.

The display can be installed in-dash or out-dash with its specific articulated support.

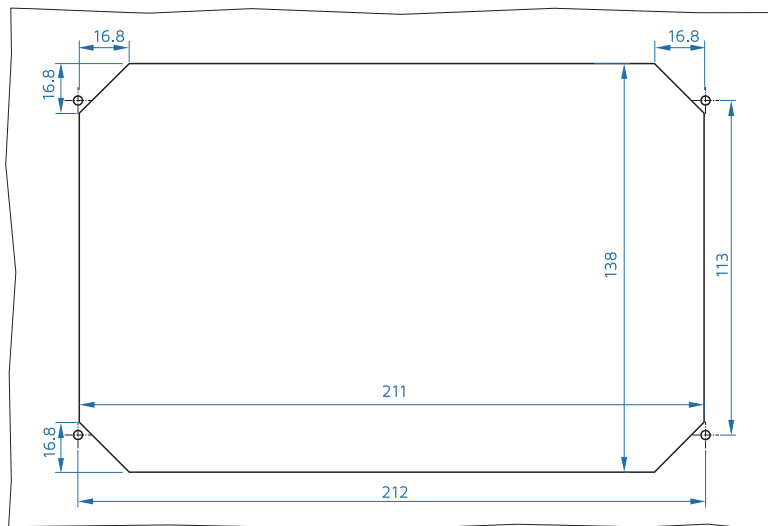
FRONT VIEW



SIDE VIEW

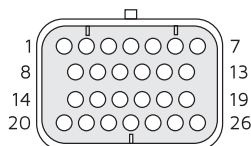


PANEL CUT-OUT



## Connection

PIN	Description / wire colour
1	U BATT - „31“ (GND)
2	J1939 CAN L
3	J1939 CAN H
4	E-CAN1 L
5	E-CAN1 H
6	USB_D+ (Green)
7	USB_D+ (White)
8	-
9	-
10	-
11	-
12	USB_VCC (Red)
13	USB_GND (Grey)



PIN	Description / wire colour
14	-
15	-
16	-
17	Video Camera 2 GND (Black + Shield)
18	Video Input 2 (Yellow)
19	Video Input 1 (Yellow)
20	Video Camera 1 GND (Black + Shield)
21	Digital Output 1 (Optional)
22	Output - Shorted to PIN 21
23	U BATT + „15“, optional „30“
24	Shorted to PIN 23 - Camera Supply+ (Red)
25	U BATT + „15“ (Ignition)
26	Shorted to PIN 25 - Camera Supply+ (Red)

## Specifications

POWER	
<b>Supply Voltage</b>	8-32 V DC
<b>Current</b>	1.2 A maximum
<b>Electrical Protection</b>	overvoltage, transients, reverse polarity, load dump
INTERFACES	
<b>CAN</b>	2x CAN BUS ISO 11898, 2.0B high speed
<b>Video</b>	2x PAL/NTSC
<b>USB</b>	1x USB 2.0, for firmware update
DISPLAY	
<b>Display type</b>	Active matrix colour TFT LCD 7 inch, 16.2M colours, sunlight-readable, anti-reflective glass
<b>Resolution</b>	800 x 480 pixels, dot pitch 0.1905 mm, 16:9
<b>Viewing angle</b>	Horizontal 130°, Vertical 110°
<b>Luminance</b>	500 cdm
<b>Contrast ratio</b>	600:1
MISCELLANEOUS	
<b>Keys</b>	10 soft keys and 5 hard keys, backlit
<b>Touch</b>	resistive - optional
<b>Acoustic signal output</b>	integrated buzzer max 85 dB
<b>Digital Output</b>	Low side, 0.7 A max, optional

<b>Operating system</b>	Linux embedded
<b>Kernel</b>	ARM 32-bit uP, 256 MB Flash memory
ENVIRONMENT	
<b>IP Class (IEC529)</b>	IP65
<b>EMC Conformity</b>	EN61000-6-2 noise immunity EN61000-6-4 radiation of interference
<b>Temperature Range</b>	storage -40° to +85°C operating -40° to +85°C
ENCLOSURE	
<b>Housing Material</b>	grey rubber housing
<b>Mounting</b>	in-dash with 4 screws M3 or 2.9 mm tapping screws or out-dash with articulated support
<b>Matting Connector</b>	Tyco-AMP Ampseal 1437288-6, 26 way
SIZE AND WEIGHT	
<b>W x H x D [mm]</b>	221 x 149 x 32, without matting connector
<b>Weight</b>	650 g

## Product Code

**MMXLCD7** 7" TFT LCD Control panel, antifog, no touch

**For more options please contact the supplier.**



**EMITTER ELECTRONICS**

Engineering, production and service  
Tržaška cesta 65, SI-2000 Maribor, Slovenia, Europe

Phone +386 5 995 1 973  
mobile +386 41 726 476

info1@emitter.org  
www.emitter.org