EMITTER ELECTRONICS
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MMX LCD7

Optional Accessories
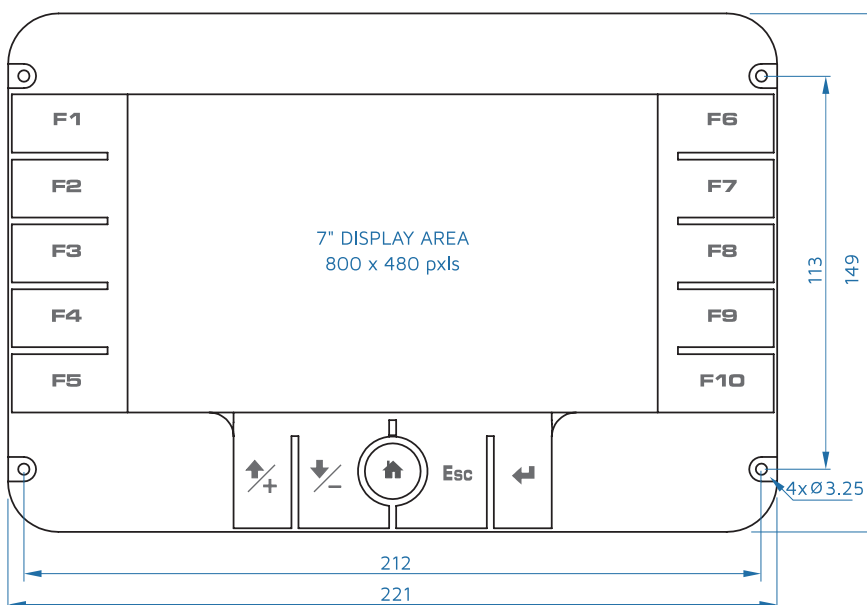
Features and Benefits

1 **Sunlight Readable**

2 **Anti-Reflective Glass**

3 **10 Soft Keys**

4 **5 Pre-Defined Hard Keys**
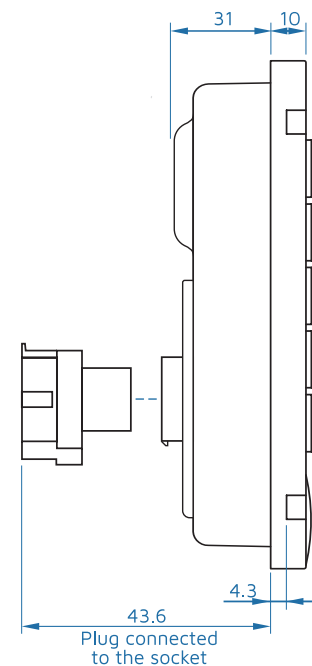
5 **Video Input**

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. They are fully equipped with five hard and ten soft-function keys, integrated buzzer, CAN bus and video inputs.

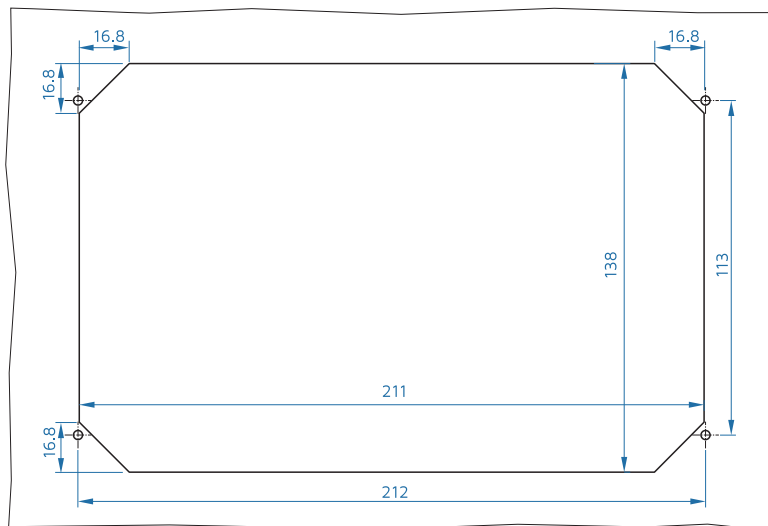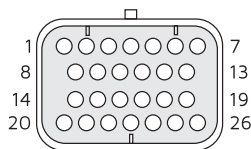The display can be installed in-dash or out-dash with its specific articulated support.

V1.0-190315

FRONT VIEW

SIDE VIEW

F1
F2
F3   7" DISPLAY AREA
F4   800 x 480 pxls
F5

F6
F7
F8
F9
F10

113
149

4x Ø 3.25

212
221

31   10

4.3

43.6
Plug connected
to the socket

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

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

Product Code

MMXLCD7	7" TFT LCD Control panel, antifog, no touch
For more options please contact the supplier.	