

8.4" IN-CAR TOUCHSCREEN LCD HEAD MOUNT DISPLAY ICD-815 / ICD-815X

DATASHEET

MDT (MOBILE DATA TERMINAL) SUNLIGHT READABLE IN-CAR LCD TOUCHSCREEN HEAD DISPLAY

KME has developed this display module for use in vehicles, where a high quality rugged touch screen display is required to interface with a PC or Laptop. Specifically tailored for use in direct sunlight and night time conditions, this display offers great performance and versatility in both extremes.

The ICD-815 has a range of fixings to match a wide selection of existing mounting arrangements. One of the key properties of the design is that it is both backwards and forwards compatible with old and new vehicles making the application of this display suitable for retrofit and new builds.

KEY FEATURES

- > **Touch screen facility**
Our resistive touch screen and TFT utilise Anti-Reflective enhancements and polarizing filters to produce a high quality solution for in vehicles in direct sunlight.
- > **Deep Dimming**
Our solution provides an analogue control of the back light brightness from 0-100% via a POT on a fly lead. This enables the user to quickly and easily control the brightness level of the display for a variety of ambient light conditions. This POT can be added to a variety of places within the vehicle dash.
- > **Inputs**
Digital and analogue inputs. This particular version has a native resolution of SVGA (800x600) but there is also an XGA version (1024x768). The unit has a multi pin connector which has the signal inputs, power, touch screen and other functionality built in.
- > **Approvals and accessories**
The ICD-815 is tested to SPEC 5 and is CE marked, (certificates available on request).
Each display comes with an option for various breakout cables. The cables convert the multi way connector into the industry standard connectors, E.g. VGA and USB. We also offer a range of PATCH cables which are designed to interface with other legacy systems making this unit a backwards compatible solution.



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Electrical Description		Mechanical Description	
TFT Characteristics:	Type:	a-si TFT active matrix	Dimensions: 209 x 158 x 39.5mm
	Native Resolution:	800 x 600 (ICD-815) 1024 x 768 (ICD-815x)	Weight: 2kg (approx)
	Active Display Area:	170.4 x 127.8 mm	Housing: Painted aluminium
	Contrast Ratio:	600:1 typical	Other Information:
	Brightness:	850cd/m ²	User Controls: Rear mounted OSD
	Viewing Angles (at CR>10):	80 ° R / 80 ° L / 80 ° Up / 60 ° down	Touchscreen: Resistive Polarized Anti-Reflective filtered touchscreen
	MTBF:	50,000 hours (based on time till backlight brightness is reduced by half)	Signal Input: 37 Way D-Type connector
	No. Colours:	16.7 Million	
Video Signal:		Analog 0.7Vp-p	
Signal Sync:		Separate H&V (+/-ve) TTL Sync-on-Green -0.3Vp-p	
Synchronisation Range:	Horizontal scan:	30kHz - 80kHz	
	Vertical scan:	50 to 65Hz	
Display modes:	VESA Support:	800 X 600 SVGA (recommended for ICD-815) 1024 x 768 XGA (recommended for ICD-815x)	
Power Supply:		12v DC (9v-15v approx)	
Power Consumption:		15W (Max)	Part Numbers:
Environmental:	Storage Temp:	-20 to 80°C	Model number: ICD-815 ~SVGA resolution version (800 x 600)
	Operating Temp:	-5 to 60°C	ICD-815x ~XGA resolution version (1024 x 768)

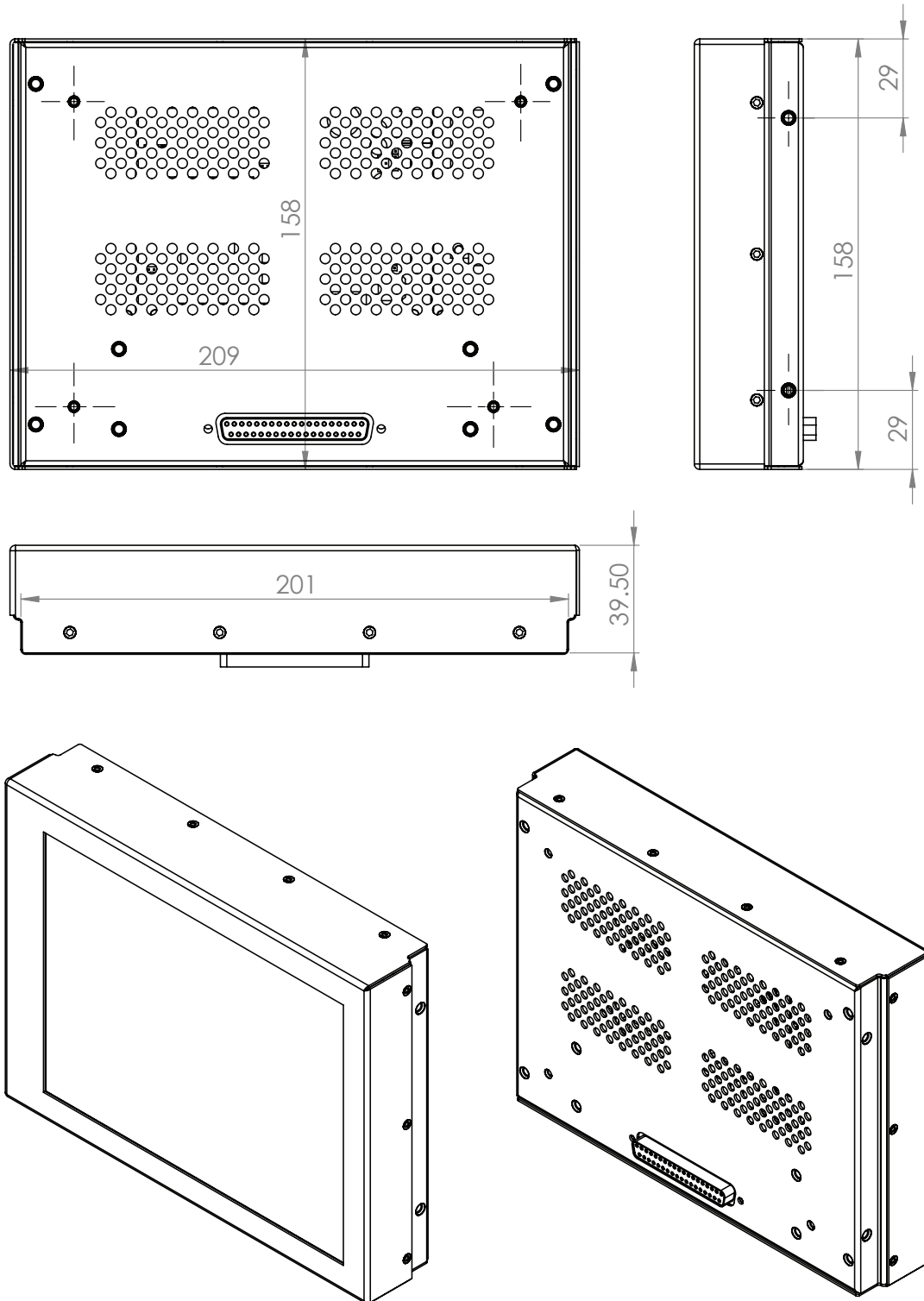
Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trademarks acknowledged.

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