TREK-303DH

ADVANTECH DLOG
Competence in Mobile Computing

NEW

7" Smart Vehicle Display

Features

- 7" display with touchscreen supports 800 x 480 resolution
- -30 to 70° C wide range temperature
- Five user-defined function keys, 2-watt speaker x 2, and USB host.
- Supports auto-dimming
- One cable connects with TREK box solutions
- Power on/off button on the side
- CE/FCC/CCC certified

Introduction

The TREK-303DH is a vehicle display system for Mobile Resource Management (MRM) applications in trucks and buses. The TREK-303DH touch panel is ideal for fleet management and dispatch applications. It also meets requirements for automotive grade working temperatures (-30 ~ 70° C). TREK-303DH provides excellent display capabilities, featuring light-weight housing, it's compatible with RAM mounting solutions that customers can easily install. TREK-303DH supports resolutions of 800 x 480; it is compatible with TREK box solutions connecting with only one cable. TREK-303DH is designed with drivers in mind: when the system requires powering up or waking up, it can be easily controlled from the button located on the side; and for night driving, the panel has an auto detecting light sensor to automatically adjust brightness.
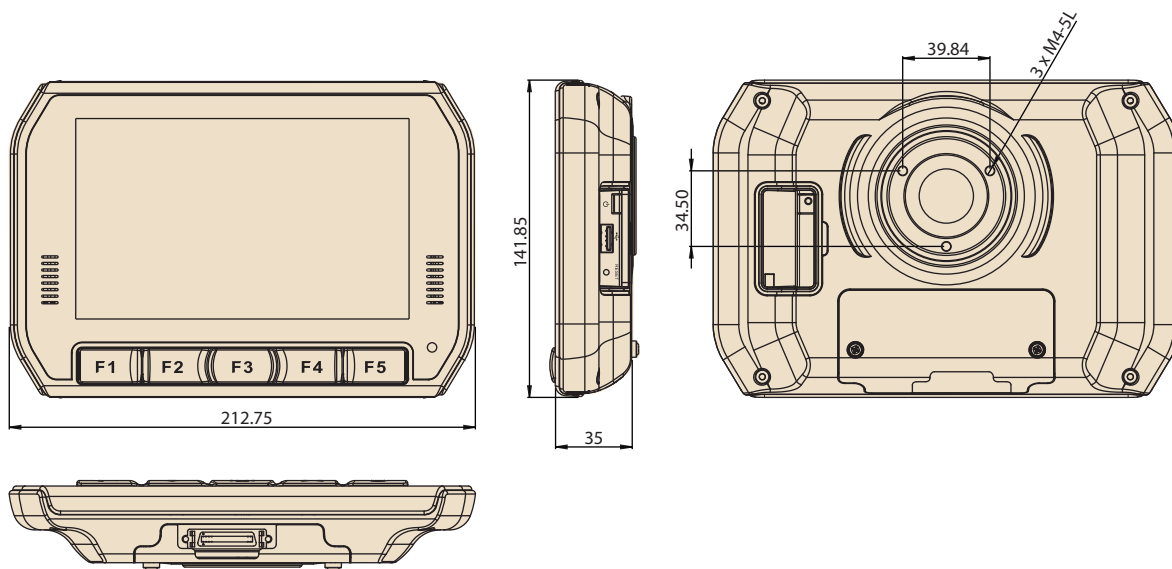
Specifications

LCD	Design Compatible Models	Paired with TREK box solutions
	Resolution (pixel)	800 x 480
	LVDS interface	18-bit
	Pixel Pitch	0.2168 (H) x 0.2168 (V)
	Brightness (cd/m²)	390 (typical) with touchscreen
	View Angle (R/L/B/T)	70° / 70° / 60° / 60°
	Contrast Ratio	500
	Lamp Life (hrs)	50,000 (hrs)
	Lamp Type	LED
Touchscreen	Touchscreen	4-wire resistive
Front Plane	Speaker	2-watt x 2
	Hotkeys	5 hotkeys (user defined)
	Brightness Control	Supports auto-dimming
Side Cover		Power button, USB host X 1, reset button
Bluetooth		Optional, supports Bluetooth Class II, version 2.0 + EDR, antenna built-in
Power	DC Input	12 V +- 5%
	Power Consumption	~12 W (Max.), ~4 W (normal)
Mechanical	Mounting	Design compatible with RAM mount
	Material	PC
	Weight	0.76 kg
	Dimensions	212.75 x 141.85 x 35 mm
Environment	Operating Temperature	-30 to + 70° C
	Storage Temperature	-40 to + 80° C
	Vibration	MIL-STD-810G, SAE J1455 4.9.4.2
	IP Rating	IP 31 (entire system), IP 54 (without I/O)

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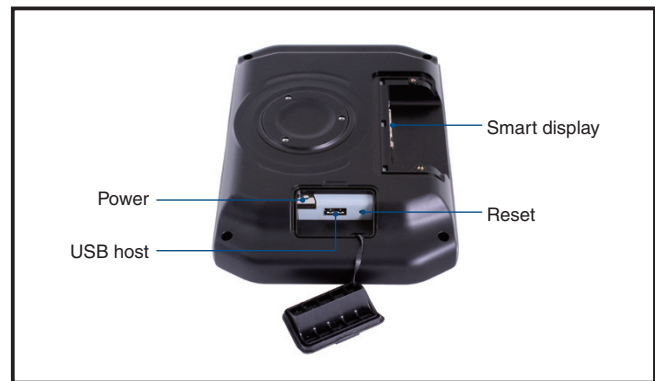*Competence in Mobile Computing*

Dimensions

Unit: mm

Fully Integrated I/O

A. B. Spaeker
C. User-defined hotkeys
D. Light sensor
E. Reset, power, USB host (side)

Ordering Information

Part Number	Description
TREK-303D-HA0E	7" vehicle display system, 800 x 480 resolution, with 4-wire resistive touchscreen, 2-watt speaker x 2
RAM-MOUNT-07E	5.625" double socket arm for 1.5" ball base
1700018342	2-meter cable (paired with TREK-550 and TREK-668)

Packing List

Part Number	Description	Quantity
TREK-303D-HA0E	7" vehicle display system, 800 x 480 resolution, with 4-wire resistive touchscreen, 2-watt speakers x 2	1
1930001722	RAM mount screw	3