

TREK-306P

10" In-Vehicle Smart Display



Features

- Vehicle-grade 10" (4:3) XGA TFT LCD with projected capacitive touchscreen
- SDP 1.0 port: one-cable connection supports longer cable lengths and easy connect/disconnect
- Wide operating temperature range (-30 ~ 70°C)
- Five user-programmable function keys
- Extended I/O ports (USB 2.0 Type A, power button, and reset button) for easy TREK computing box maintenance

Introduction

The TREK-306P is a vehicle display system designed for fleet management applications in trucks and buses. The TREK-306PH touch panel is ideal for fleet management and dispatch applications, and it meets automotive-grade temperature requirements (-30 ~ 70°C). The TREK-306P provides excellent display capabilities and features a lightweight housing. It is compatible with RAM mounting solutions, making installation easy for the customer.

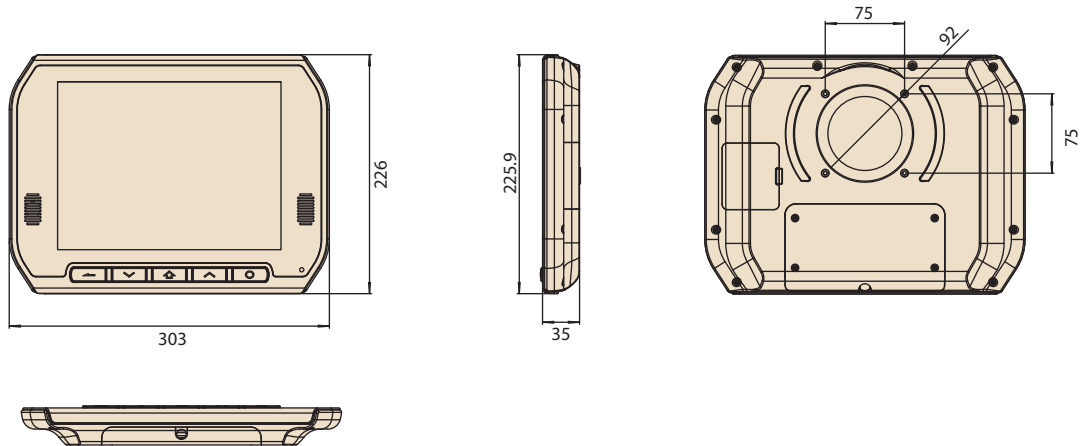
The TREK-306P supports resolutions up to 1024 x 768 and connects via a single cable. Designed with drivers in mind, the system can be powered up or woken up easily using the button located on the side. Additionally, for night driving, the panel has an auto-detecting light sensor that automatically adjusts the brightness.

Specifications

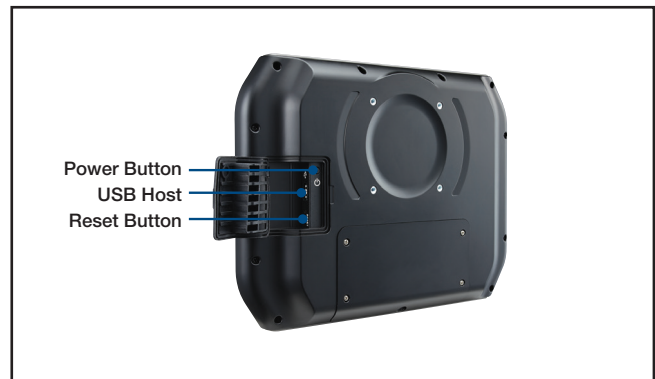
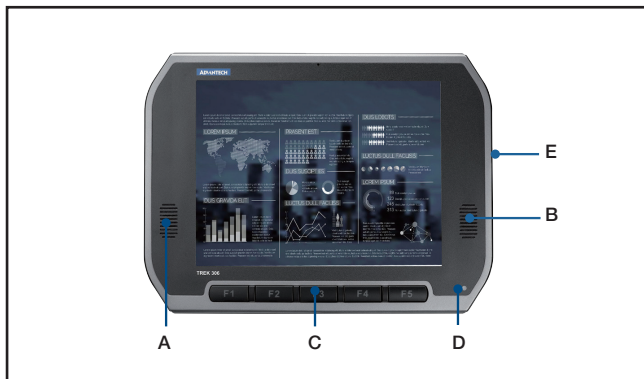
LCD	Resolution (pixels)	XGA (1024 x 768)
	Design Compatible Models	TREK-570
	Video Interface	Single channel, LVDS
	Pixel Pitch	0.0685 (H) x 0.2055 (V)
	View Angle ((H/V))	176(H)/ 176(V) (CR>10) Super MVA technology
	Contrast Ratio	1000
	Backlight Life	50,000 hours
	Backlight Type	LED
Front Panel	Brightness (cd/m ²)	500 cd/m ² , typical
	Speaker	2 x 2 W speakers
	Hotkey	5 x programmable function keys with green light
	Brightness Control	Light sensor for auto dimming
	Light Sensor	1 x with MRM SDK support
Touchscreen	Thermal Sensor	1 x with MRM SDK support
	Size	10.4" (4:3) format
	Type	10 Fingers projected capacitive touchscreen
	Transparency	87% ± 2 %
Rear I/O	Hardness	≥ 7H (JIS K5400)
	IK Shock Protection Rate	IK07
	Smart DisplayPort	SDP 1.0 locking connector paired with TREK computing box (TREK-570)
	USB Port	1 x USB 2.0 Host Type-A
Power	Power Button	1 x Power button (To power on/off TREK computing box)
	Reset Button	1 x Reset button (To Reset TREK computing box)
Mechanical	Power Input	12 V ± 5% (Powered by TREK-570)
	Power Consumption	8 W (nominal), 14 W (max.)
	Dimensions (W x H x D)	303 x 226 x 35 mm
	Material	PC
Environment	Weight	1.7 kg
	Mounting	VESA (75 x 75 mm), Ram mount
	Operating Temperature	-30 ~ 70°C
Certification	Storage Temperature	-40 ~ 80°C
	Ingress Protection	IP55 (with I/O cover)
	Vibration/Shock	MIL-STD-810G, SAE J1455 4.9.4.2, EN60721-3-5 (5M3)
	EMC	CE, FCC

Dimensions

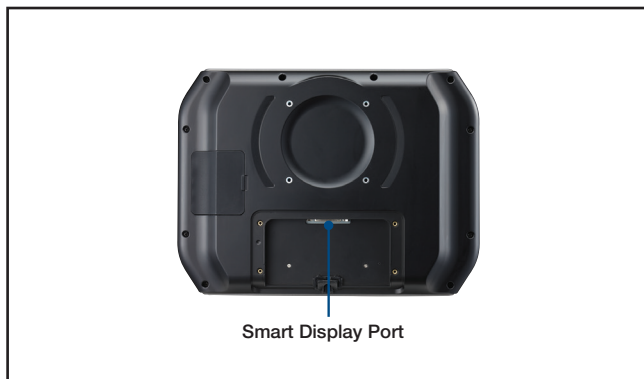
Unit: mm



I/O Connectors



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



Ordering Information

Part Number	Description
TREK-306P-HA0E	TREK-306P, 10.4" XVGA PCAP Smart Display

Optional Items

Part Number	Description
RAM-MOUNT-06E	VESA RAM mount w/VESA base(3.625") & 5.625" double socket arm for 1.5" ball base
1700020007	Smart display 1.0 cable, 2 m
1700020008	Smart display 1.0 cable, 5 m