

TREK-743

7" Vehicle Mounted Computer with AMD LX800 Processor



Features

- 7" WVGA TFT LCD, with adjustable brightness
- 5 programmable function keys with backlight
- Rugged aluminum enclosure and fanless design
- Embedded OS Support (Win CE 5.0 or XP Embedded)
- Flexible expansion capability for IEEE 802.11b/g WLAN, GPS, GSM/GPRS
- Extreme temperature operating capability
- Reliable wide DC power input for in-vehicle application

Introduction

The TREK-743 is a fanless and compact vehicle mounted computer for a wide range of commercial vehicle applications. The radio options and programmable function keys make the TREK-743 suitable for delivery, fleet management and warehousing/logistics applications. The ruggedized aluminum enclosure does not have ventilation holes which makes the TREK-743 waterproof and dust proof. It is equipped with options for real-time communication and data capture in vehicles to improve productivity.

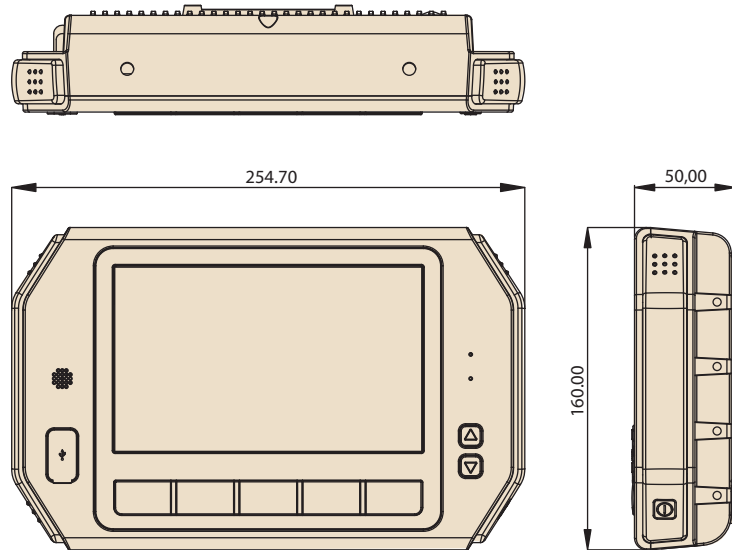
Specifications

Processor System	CPU	Onboard AMD LX800 500 MHz
	System Memory	One 200-pin SODIMM socket, accepts up to 1 GB DDR266/333 SDRAM
	Operating System	XP Embedded, WinCE5.0
	SSD	1 x type II CompactFlash socket
	Bus Expansion	1 x MiniPCI expansion slot
	LAN	10/100Base-T Ethernet
	Audio	Built-in 1 x 1.5w speaker; 1 x hidden microphone
	Function keys	5 lighted, programmable function keys
	GPS (Optional)	Integrated 12 channel GPS receiver
	Bluetooth	One Class 2 Bluetooth V2.0 + EDR module
	CAN bus	RS-232 baud rate up to 115.2K bps
	GPRS (Optional)	Quad-band 900/1800/850/1900 MHz GSM/GPRS modem
	WLAN (Optional)	IEEE802.11b/g
Power Supply	Protection	IP65 front panel and back cover protection, without ventilation holes
	Dimensions (W x H x D)	255 x 160 x 50 mm (10.04" x 6.30" x 1.97")
	Weight	1.7 kg (3.75lb)
	Input Voltage	9 ~ 36 V _{DC}
Graphics	Minimum Input Voltage	6 V _{DC} , supports ignition cold crank, Low battery shut-down protection threshold (optional)
	Ignition on/off	Power on delay, default 2 seconds Power off delay, default 5 seconds Hardware power off delay, default 2 seconds
	Display type	7" color TFT LCD, LED backlight
	Luminance	400 cd/m ²
Touchscreen	Max. Resolution	Wide-VGA 800 x 480, 5% ~ 100% brightness controlled by H/W buttons
	Type	Analog resistive, continuous resolution
	Light Transmission	80%
	Controller	RS-232 interface (COM3)
	Power Consumption	<5.5 V @ 20 mA
Environmental Specifications	Software Driver	Supports Windows XP/XP Embedded, WinCE, Linux
	Operating Temperature	-20 ~ 60° C (-4 ~ 140° F)
	Relative Humidity	10 ~ 95% @ 40° C (non-condensing)
	Shock	30 G peak acceleration (11 msec duration)
	Certifications	EMC: CE, FCC, CCC Safety: UL, CUL, CE; CCC, CB
	Vibration	5 ~ 500 Hz 4.5G RMS random vibration

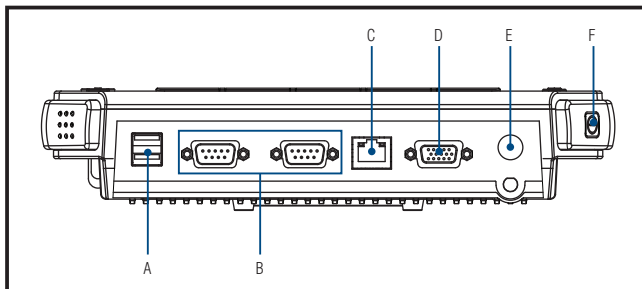
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Dimensions

Unit: mm



Fully Integrated I/O



- A : 2 x USB v2.0
 B : 2 x RS-232/422/485
 C : 1 x10/100 LAN
 D : 1 x CAN bus & 4 optically isolated DI/DO (DB15 connector)
 E : DC inlet
 F : Power on/off switch

Mounting kits



Ordering Information

Part Number	Description
TREK-743R-A0E	7" TREK-743 w/LX800, T/S
TREK-743R-CEA0E	TREK-743R-A0E with 128 MB DDR, 128 MB CF, CE5.0
TREK-743R-XPEA0E	TREK-743R-A0E with 256 MB DDR, 2 GB CF, XPE
TREK-743R-GCEA0E	TREK-743R-CEA0E w/GPS, GSM/GPRS
TREK-743R-GXPEA0E	TREK-743R-XPEA0E w/GPS, GSM/GPRS
TREK-743R-WXPEA0E	TREK-743R-XPEA0E w/WLAN
TREK-743R-WCEA0E	TREK-743R-CEA0E w/WLAN
TREK-743R-GWCEA0E	TREK-743R-CEA0E w/WLAN, GPS, GSM/GPRS
TREK-743R-GWXPEA0E	TREK-743R-XPEA0E w/WLAN, GPS, GSM/GPRS

Accessories

Part Number	Description
RAM-MOUNT-01	VESA plate RAM mount with clamp base
RAM-MOUNT-02	VESA plate RAM mount with 2.5" DIA. base
RAM-MOUNT-03	VESA RAM mount w 3.68" DIA. 2.25" ball