

TREK-743

7" Vehicle Mounted Computer with AMD LX800 Processor



Features

- 7" WVGA TFT LCD, with adjustable brightness
- 5 programmable function keys with LED 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

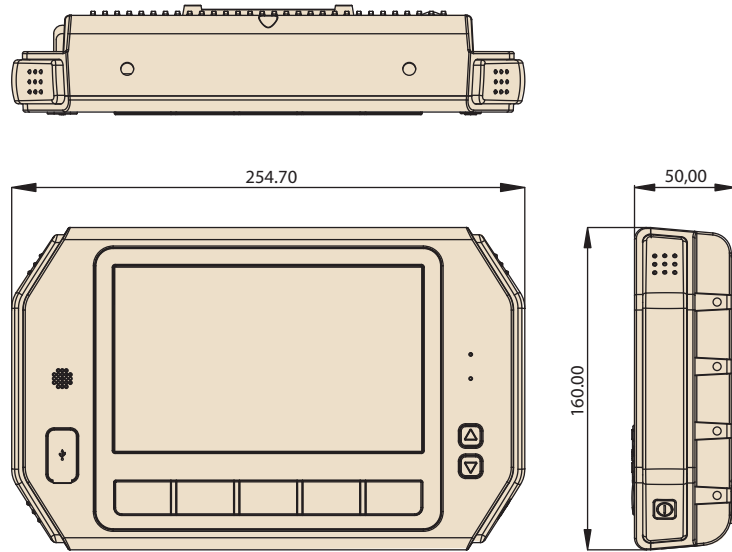
The TREK-743 is a fanless and compact, vehicle-mounted computer for a wide range of commercial vehicle applications. The radio options and programmable function keys make the TREK-743 suitable for delivery, fleet management and warehousing/logistics applications. The ruggedized aluminum enclosure does 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

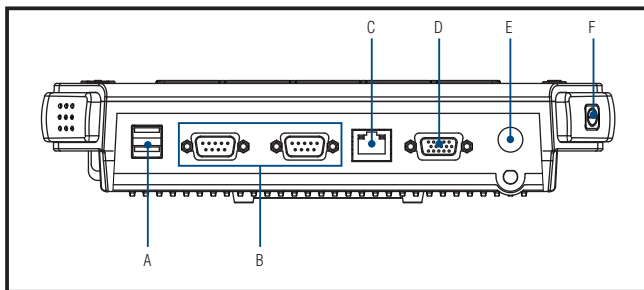
Processor System	CPU	Onboard AMD LX800 500 MHz
	Chipset	Integrated in AMD CS5536AD South Bridge
	System Memory	One 200-pin SODIMM socket, accepts up to 1 GB DDR266/333 SDRAM (Win CE supports up to 512 MB DDR)
	Operating System	XP Embedded, WinCE5.0
	SSD	1 x type II CompactFlash socket
	Bus Expansion	1 x MiniPCI expansion slot
	LAN	10/100 Mbps Ethernet
	Audio	Built-in 1 x 1.5w speaker; 1 x hidden microphone
	Function Keys	5 lighted, programmable function keys
	GPS (Optional)	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
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)	
Power Supply	Input Voltage	9 ~ 36 V _{DC}
	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 30 seconds
Graphics	Display Type	7" color TFT LCD, LED backlight
	Luminance	400 cd/m ²
	Max. Resolution	Wide-VGA 800 x 480, 5% ~ 100% brightness controlled by H/W buttons
Touchscreen	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

Dimensions

Unit: mm



Fully Integrated I/O



- A: 2 x USB v2.0
- B: 2 x RS-232/422/485
- C: 1 x 10/100 LAN
- D: 1 x CAN Bus & 4 Optically Isolated DI/DO (DB-15 Connectors)
- E: DC Inlet
- F: Power On/Off Switch

Mounting Kits



Ordering Information

Part Number	Description
TREK-743R-CEA0E	TREK-743R-A0E with 256 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
TREK-743R-A0E	TREK-743R BARE-BOM
TREK-743R-GA0E	TREK-743R W/GPS,GPRS BARE BOM

Accessories

Part Number	Description
RAM-MOUNT-01	VESA RAM mount w/clamp base, 1.5" ball
RAM-MOUNT-02	VESA RAM mount w/2.5" DIA. base, 1.5" ball
RAM-MOUNT-03	VESA RAM mount w/3.68" DIA., 2.25" ball
RAM-MOUNT-05E	VESA RAM mount w/clamp base, 2.25" ball