

# TREK-776

## 12.1" Vehicle Mounted Computer with Pentium® M/Celeron® M Processor



### Features

- 12.1" TFT LCD with touchscreen
- Function keys for 5% ~ 100% brightness control
- Onboard Intel® ULV Celeron® M 600 MHz or Pentium® LV M 1.1 GHz processor
- Rugged aluminum enclosure and fanless design
- VESA standard for flexible mounting kits
- IP65 dustproof and waterproof seals
- Flexible expansion capability for IEEE 802.11a/b/g, GPS, GSM/GPRS
- Stable and wide range 9 ~ 58 V<sub>DC</sub> input, Ignition cold crank (min 6V)
- Extreme temperature range operating capability

### Introduction

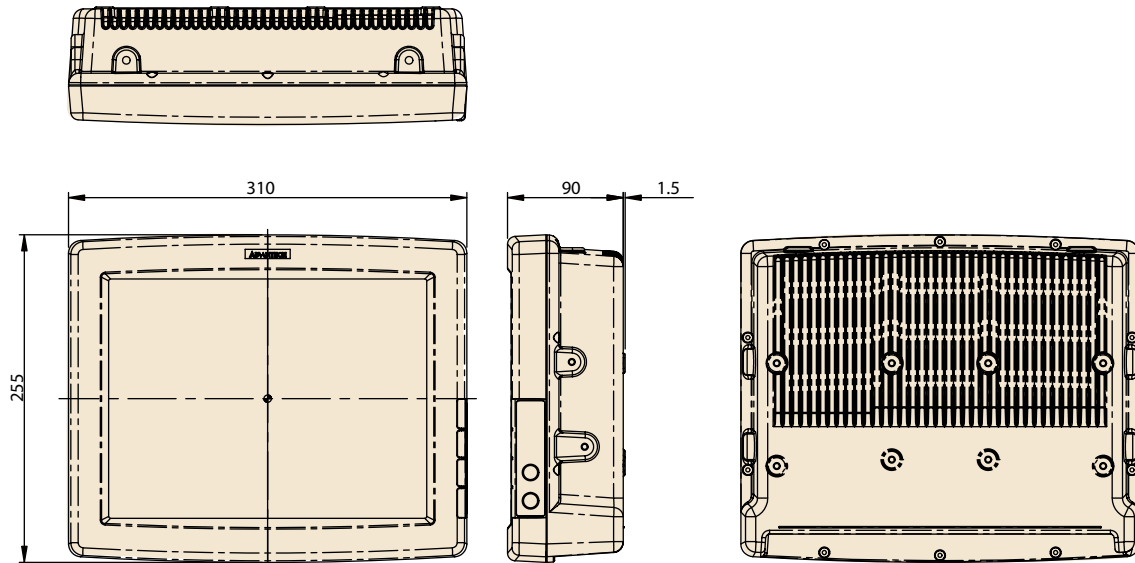
The TREK-776 is a vehicle mounted platform designed to withstand the harshest environments. The TREK-776 has a rich variety of optional wireless and wide area network modules for real-time communication and data capture in warehouses, freezers, docks or container yards. The rugged die-cast aluminum enclosure replaces the fan as it helps dissipate heat. The TREK-776 has a special design without ventilation holes that makes the front bezel, back cover and sides comply with IP65 standards for protection against dust and water. The more exposed I/O ports have been placed on the bottom to protect against vertically falling water. With components that can withstand a wide range of temperatures, and a heater for low temperature operation, the TREK-776 can operate in freezing environments.

### Specifications

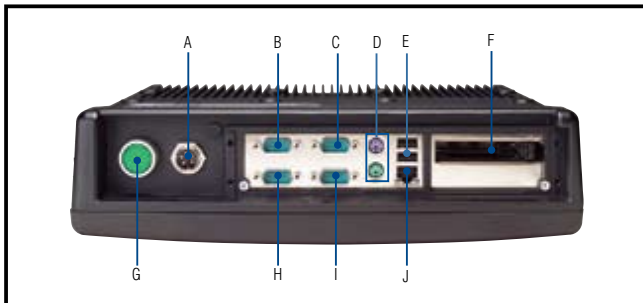
Processor System	CPU	Onboard Intel ULV Celeron M 600 MHz, 512k L2 cache/LV Pentium M 1.1 GHz, 1 MB cache
	Chipset	Intel 855GME and ICH4-M
	System Memory	Two 184-pin DIMM sockets, up to 2 GB DDR 333 SDRAM (Win CE supports up to 512 MB DDR)
	Storage	One IDE interface for either one type I/II CompactFlash card or one 2.5" HDD
	Network (LAN)	10/100 Mbps Ethernet interface; 1000 Mbps optional
	MiniPCI	One type III A/B slot
	PCMCIA	2 x PCMCIA Type II/1 x Type III * * When using Win CE, slot A is eliminated, and only PCMCIA slot B is available.
	Dimensions (W x H x D)	310 x 255 x 90 mm (12.20" x 10.04" x 3.54")
Weight	4.38 kg (10.58 lb)	
Graphics	Display Type	12.1" color TFT LCD
	Resolution (H x V)	XGA 1024 x 768
	Viewing Angle (H/V)	160°/160°
	Luminance	450 cd/m <sup>2</sup> , 5% ~ 100% dimmable brightness control
	Lamp Life Time	50,000 hours
Touchscreen	Type	Analog resistive
	Controller	USB interface
Power Supply	Input Voltage	9 ~ 58 V <sub>DC</sub>
	Minimum Input Voltage	6 V <sub>DC</sub> , supports cold crank, low battery shut-down protection threshold (optional)
	Ignition On	Power on delay, default 1 second
	Ignition Off	Yes
	Hard off Delay	30 seconds
Environmental Specifications	Operating Temperature*	0° C ~ 40° C (32° F ~ 104° F) for HDD -30° C ~ 60° C (-22° F ~ 140° F for industrial grade CF card or HDD that operates at a wide range of temperatures)
	Relative Humidity	10% ~ 95% @ 40° C, non-condensing
	Shock	30 G peak acceleration (11 ms duration)
	EMC	CCC, CE, FCC Class B
	Safety	CCC, UL, CUL, CE
	Vibration	1 G (operating with HDD); 3 G (operating with CF card)

## Dimensions

Unit: mm



## Fully Integrated I/O



- A: DC Power Inlet
- B: COM4 (RS-232/422/485)
- C: COM2 (RS-232)
- D: PS/2 Keyboard and Mouse Port
- E: 2 x USB 2.0
- F: PCMCIA Type II x 2 / Type III x 1
- G: Power Switch
- H: COM3 (RS-232/422/485)
- I: COM1 (RS-232)
- J: 10/100 Mbps Ethernet

## Ordering Information

Part Number	Description
TREK-776R-A0E	TREK-776 with ULV C-M 600 Hz CPU, T/S, HDD holder
TREK-776R-CEA0E	TREK-776 with ULV C-M 600 Hz CPU, T/S, 128 MB DDR, 128 MB CF, WinCE5.0
TREK-776R-SA0E	TREK-776R-A0E sunlight readable model
TREK-776R-XPEA0E	TREK-776R-A0E with 512 MB DDR, 40 G HDD, XPE
TREK-776R-A1E	TREK-776 with LV -M 1.1 GHz CPU, T/S, HDD holder

## Accessories

Part Number	Description
TREK-UNIARM-01	Universal arm
I/O-CV-01	IP53 I/O cover
I/O-CV-02	IP54 I/O housing
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
WLAN-325HJE	11 Mbps IEEE 802.11b compliant PCMCIA WLAN Card for Japan *
WLAN-325HAE	11 Mbps IEEE 802.11b compliant PCMCIA WLAN Card for USA *
WLAN-325HUE	11 Mbps IEEE 802.11b compliant PCMCIA WLAN Card for Europe *
1757000997	ADAPTER AC 100-240 V 90 W (19v) W/PFC

\* Detachable Antenna, RoHS compliant

## Power Code Options

Part Number	Description
1700001524	3-pin 180 cm, USA
170203183C	3-pin 180 cm, Europe
170203180A	3-pin 180 cm, UK

## Optional Items

Part Number	Description
9668TREK00E	Quad band GSM/GPRS module & GPS receiver module
9668TREK01E	GPS receiver module (COM3)
9668TREK02E	Quad band GSM/GPRS module (COM4)
9668TREK03E	CF card slot kit
9668TREK08E	IEEE 802.11b/g MiniPCI WLAN module

Please order optional items via BTOS service or contact our sales