TREK-775

Features

- 10.4" TFT LCD with touch screen
- Function keys for 5%~100% brightness control
- Onboard Intel® ULV Celeron® M 600 MHz or Pentium® LV M 1.1 GHz CPU
- Rugged aluminum enclosure and fanless design
- VESA standard for flexible mounting kits
- IP65 dustproof and waterproof seals
- Compatible with Windows® 2000/XP
- Embedded OS Support (Win CE 5.0 or XP Embedded)
- Flexible expansion capability for IEEE 802.11b/g, GPS, GSM/GPRS
- Stable and wide range 9 ~ 58 V_{DC} input , Ignition cold crank (min 6V).
- Extreme temperature operating capability

Introduction

The TREK-775 is a vehicle mounted platform designed to withstand the harshest environments. The TREK-775 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. TREK-775 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 in the bottom to protect against vertically falling water. With wide temperature tolerance components and a heater for low temperature operation, TREK-775 can operate in freezing environments.

Specifications

- **CPU**   Onboard Intel ULV Celeron M 600MHz, 512k L2 cache/ LV Pentium M 1.1GHz, 1MB cache
- **System Memory**   Supports up to 2 GB DDR SDRAM
- **Storage**   One IDE interface for CompactFlash card or 2.5" HDD
- **MiniPCI**   One type III A/B slot
- **PCMCIA**   2 x PCMCIA Type II/1 x Type III *

* When operate with the WinCE, slot A is liminated and only the PCMCIA slot B is workable.

- **Dimensions (W x H x D)** 310 x 255 x 80 mm
- **Weight**   3.8 kg

LCD Display

- **Display Type**   10.4" color TFT LCD
- **Resolution (H x V)** 800 x 600 (SVGA)
- **Viewing Angle (H/V)** 140°/110°
- **Luminance**   400 nits, 5% ~ 100% brightness control
- **Lamp Life Time** 50,000 hours

Touchscreen

- **Type**   Analog resistive
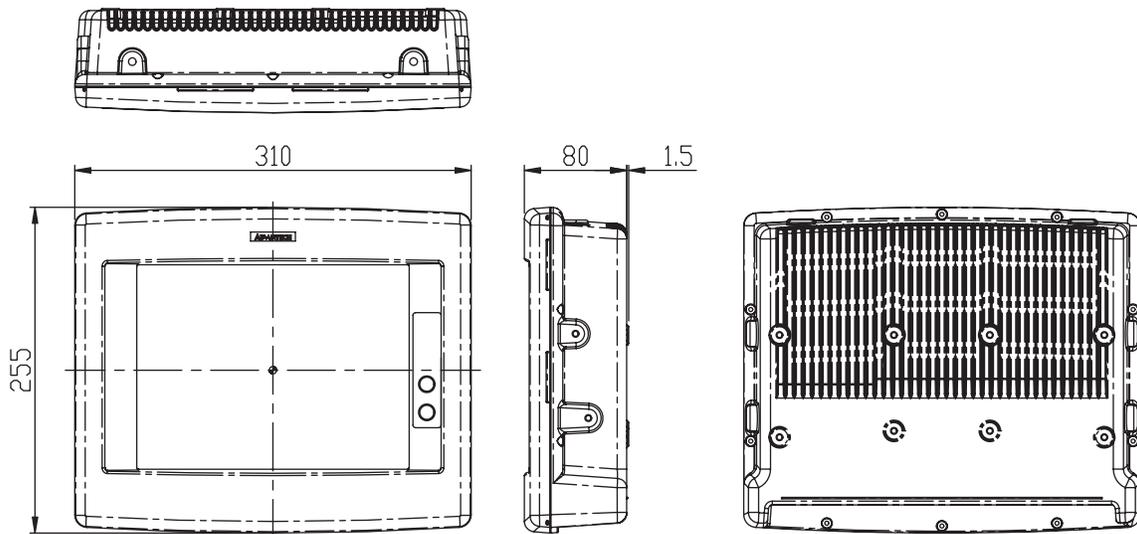- **Controller**   USB interface

Power Supply

- **Input Voltage**   9 ~ 58 V_{DC} input , Ignition cold crank (min 6V)

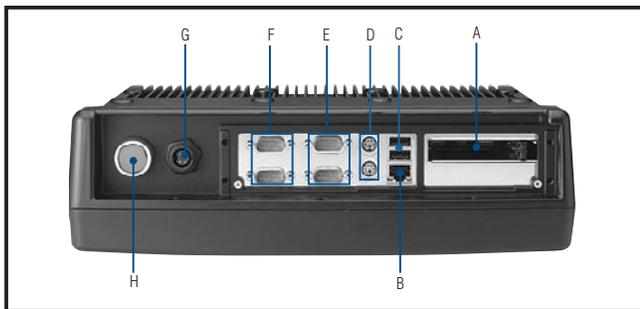### Environmental Specifications

- **Operating Temperature*** 0 ~ 40° C (32 ~ 104° F) for HDD -20 ~ 60° C (-22~ 140° F) for wide operating temperature HDD or CF card
- **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)

ADVANTECH

Dimensions

Unit: mm

310

80   1.5

255

Fully Integrated I/O

G   F   E   D   C   A

H   B

A: 2 x PCMCIA Type II / 1 x Type III
B: 10/100Base-T Ethernet
C: 2 x USB 2.0
D: PS/2 keyboard and mouse port

E: 2 x serial ports (RS-232/422/485)
F: 2 x serial ports (RS-232)
G: DC power inlet (IP66)
H: Power switch (IP65)

Ordering Information

- **TREK-775R-A0E**   TREK-775 Bare with Celeron-M 600Hz 512K L2, RES. TS, HDD holder
- **TREK-775R-CEA0E**   TREK-775 with Celeron-M 600Hz 512K L2,128MB DDR,128MB CF, WinCE5.0, RES.TS
- **TREK-775R-XPEA0E**   TREK-775 with Celeron-M 600Hz 512K L2, 512MB DDR,40GB HDD, WinXPE ,RES.TS
- *   Intel Pentium-M 1.1GHz CPU, SDRAM, 2.5" HDD and CF are available as optional items

Accessories

- **TREK-UNIARM-01**   Universal arm
- **I/O-CV-01**   IP53 I/O cover
- **RAM-MOUNT-01**   VESA plate RAM mount with clamp base
- **RAM-MOUNT-02**   VESA plate RAM mount with 2.5" diameter base
- **RAM-MOUNT-03**   VESA plate RAM mount with 3.68" diameter base
- **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 *

*Detachable Antenna, RoHS compliant

Optional Items

- IEEE 802.11b/g MiniPCI WLAN module
- GPS receiver module
- Quad band GSM/GPRS module