



Introduction

The ADVTAG 5.7 thin client terminal with a 5.7" VGA LCD, low power embedded Intel® Atom™ E3827 1.75 GHz Processor and 4GB (8GB optional) DDR3L SDRAM provides computing performance in a compact fanless system. To enhance its durability, the ADVTAG 5.7 is true-flat touch screen designed with IP66 front protection, die-cast Al Alloy front bezel and 5-wire resistive touch. It supports wide operating temperatures -20~60°C and includes full size mini-PCIe slot to extend the functionality and meet a variety of automation applications needs. Through the Mini-PCIe slot, Advantech iDoor technology (optional) can provide more I/O connectors, Isolated Digital IO, the Fieldbus Protocol, 3G/GPS/GPRS/WiFi Communication and Battery-backup MRAM.

Specifications

General

BIOS	AMI UEFI
Certification	BSMI, CCC, CE, FCC Class A, UL
Cooling System	Fanless design
Dimensions (W x H x D)	199 x 152 x 58.9 mm (7.83" x 5.98" x 2.32")
Enclosure	Front bezel: Die-cast Aluminum alloy Back housing: SECC
Mounting	Desktop, Wall or Panel Mount
OS Support	Microsoft® WES7 64bit /WE8S 64bit / Windows 7 32bit/64bit
Power Consumption	19.2 W (typical)
Power Input	24V _{DC} ± 20%
Watchdog Timer	1 ~ 255 sec (system)
Weight (Net)	1.5 KG

System Hardware

CPU	Intel® Atom™ E3827 1.75 GHz Processor
Memory	4GB (8GB optional) DDR3L 1600MHz SO-DIMM SDRAM
LAN	10/100/1000 Base-T x 2
Expansion Slots	Full-size Mini PCI-E
Storage	CFast slot x 1 2.5" SATA SSD slot x 1 (optional)
I/O	RS-232 x 1, RS-232/422/485 x 1 USB 3.0 x 1 USB 2.0 x 1

Features

Industrial 5.7" VGA TFT LCD with 50K Lifetime LED Backlight
Intel® Atom™ E3827 1.75 GHz Processor with 4GB (8GB optional) DDR3L SDRAM
Support wide operating temperatures -20~60°C
Compact Fanless Embedded System with Al Alloy Front Bezel
True-flat with IP66 certified front panel protection
Durable 5-wire Resistive Touch Screen
Full-size Mini PCIe Expansion Support
Supports iDoor technology for diverse applications (optional accessory required)
Chassis Grounding Protection
Supports USB 3.0

LCD Display

Display Type	VGA TFT LED LCD
Display Size	5.7"
Max. Resolution	640 x 480
Max. Colors	262K
Luminance cd/m ²	550
Viewing Angle (H/V°)	160/140
Backlight Life	50,000 hrs
Contrast Ratio	800:1

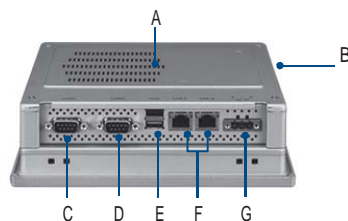
Touchscreen

Lifespan	36 million touches at single point
Light Transmission	Above 75%
Resolution	Linearity
Type	5-wire, analog resistive

Environment

Humidity	10 ~ 95% RH @ 40°C, non-condensing
Ingress Protection	Front panel: IP66
Operating Temperature	-20 ~ 60°C (-4 ~ 140°F)
Storage Temperature	-30 ~ 70°C (-22 ~ 158°F)
Vibration Protection	With CFast: 2 Grms (5~500 Hz) With HDD: 1 Grms (5 ~ 500 Hz) (Operating, random vibration)

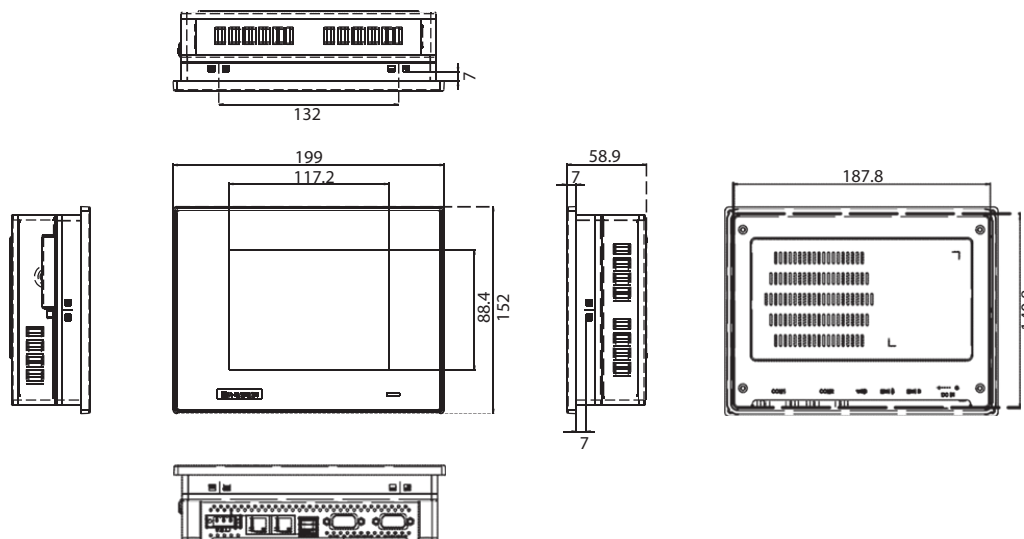
Rear View



- A. External HDD/iDoor kit (Optional)
- B. CFast Slot
- C. RS-232
- D. RS-232/422/485
- E. USB 3.0 & 2.0
- F. LAN (10/100/1000)
- G. Power Receptor

Dimensions

Unit: mm



Panel Cut-out Dimensions: 189.1 x 142.1 mm (7.44" x 5.59")

Ordering Information

ADVTAG 5.7	5.7" VGA Panel PC, Intel® Atom™ E3827 1.75 GHz Processor, 4GB (True-flat touch screen)
ADVTAG 5.7-65	5.7" VGA Panel PC, Intel® Atom™ E3827 1.75 GHz Processor, 4GB (Non-flat touch screen IP65 certified traditional TPC front panel)

Accessories

63W DC 24V/2.62A Output Power Supply
HDD and iDoor extension kit
Power Cable US Plug 1.8 M
Power Cable EU Plug 1.8 M
Power Cable UK Plug 1.8 M
Power Cable China/Australia Plug 1.8 M

Automation S/W & Embedded O/S

PanelExpress V2.0 300 tags S/W license
PanelExpress V2.0 1500 tags S/W license
PanelExpress V2.0 5000 tags S/W license
PanelExpress V2.0 S/W USB dongle
WES7P X64 MUI. V4.12 B001
WEC7 X64 MUI. V4.00 B031

Application Software

SUSIAccess	Version: V2.1 or above An innovative remote device management software, allowing efficient remote monitoring, quick recovery & backup, and real-time remote configuration, to create a more intelligent and interconnected embedded computing solution.
WebAccess	Version: V7.1 or above WebAccess, as the core of A IoT solution, is full web browser-based software package for HMI and SCADA software. All HMI and SCADA software features including: Animated Graphics Displays, Real-time Data, Control, Trends, Alarms and Logs, are available in a standard web browser. WebAccess is built around the latest internet technologies. With its open architecture, vertical domain applications can easily be integrated.
PANELEXPRESS <small>Designed for Convenience</small>	Version: V2.0.3.8 or above Panel Express, a windows based HMI mini SCADA, realizes the cross platform flexibility offered by WebOP Designer to switch hardware for the consideration of cost and performance become an easy job. Panel Express software provides the best economic and express solution for data intensive high-end HMI applications.
WebOP Designer	Version: V2.0.3.8 or above An easy to use integrated development tool featuring solution-oriented screen objects, high-end graphics, Windows fonts for multi-language applications. WebOP runtime, a part of WebOP Designer, guarantees reliability and performance because of the minimum system overhead, high communication data rates, and sub-second screen switching.

