

Argon Tablet/Hand Held Computer – AT84

Military Computer and Display System



Argon has developed an extremely small, lightweight, high performance, fully ruggedized Hand Held Computer Tablet for rugged military applications. For the baseline unit, Argon has integrated powerful functions within a streamlined package. The integration of our proven rugged displays and low power computing solutions provide the user with the capability to perform a variety of tasks where a laptop is too large and low weight “on person” or “tool box” stowage is required. The AT84 can be used for a variety of applications, such as dismounted command & control, electronic flight bags, vehicle maintenance, platform test and evaluation, and other tasks where rugged, portable computing is needed.

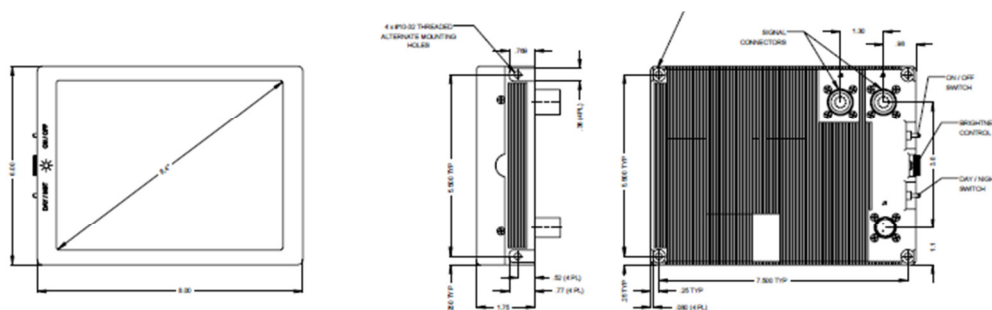
Main Features:

- Integrated Display and Processor
- Extremely Small Mechanical Outline
- Low Weight (2.5 Lbs)
- High bright (Option)
- Ruggedized Analog Resistive Touch Screen
- Windows or Linux OS
- Custom User Controls and Connectors

Argon Corp has over 25 years of experience designing, producing and supporting a variety of rugged computing and display solutions that serve land based, naval and airborne applications. These solutions are also suitable for adjacent applications where extreme, combat like environments are present, such as oil and gas exploration, and mining activities.

Argon has developed a standing reputation for working with customers to design custom solutions and reliable products. Add to this extensive industry knowledge and Argon is a partner you can trust.

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Technical Specifications for AT84 (Typical)

Display	
Viewable Area	8.4" Diagonal, TFT LCD w/ LED Backlight
Resolution	640x480 or 800x600 or 1024x768
Brightness	300 nits Typical, 750 nits High Bright Option
Touch Screen	Ruggedized, Analog Resistive as Option
Overall Unit	
Dimensions	6.0" x 8.0" x 1.5"
Weight	2.5 +/- lbs
Power Input	9-36 VDC External Power or Internal Battery (Option)
Power Consumption	10 to 17W Typical, Depending on Usage Profile/Processor
User Controls	On/Off, Day/Night, Brightness, OSD, Attached Stylus, Others-Specify
Chassis	Aluminum, Fully Enclosed
Connectors	User Selectable From a Range of MIL Circular (Preferred) or Other
Computer	
Processor/RAM	Intel Quad Core Atom® or i7 Processor, 4-8GB RAM
Storage	64GB SSHD, or Specify
OS	Windows, Linux
I/O	2x USB, RS232, Ethernet, Audio, Video In, Others TBD by Application
Wireless	WiFi 802.11 with Flush Mount Antenna (Option)
GPS	Commercial – Specify Antenna Type/ Connection or Mounted Dome (Option)
Other	Video Frame Grabber or Other I/O Cards Upon Request (Option)
Environmental	
Meets, but not Limited to, the Following Selected Specifications	
Operating Temp	-10°C to +55°C (-40°C Option)
Storage Temp	-40°C to +70°C
Shock	40g, 11msec
Vibration	2.25grms Random
EMI/EMC	Designed to MIL-STD-461
Altitude	Up to 40kft Operating, Non-Operating
Salt Fog, Sand/Dust	Unit is 100% Enclosed, Resistant to Salt Fog, Fungus
Humidity	Operating & Storage – 95% @ 25°C, Non-Condensing



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