

Argon Tablet/Hand Held Computer – AT50

Military Computer and Display System



Argon offers a family of rugged military computing products which are designed for airborne, landbased, vehicle or handheld applications. These units have the smallest footprint on the market and are extremely lightweight and low power. The AT50 is a perfect fit for many hand held, dash-mount or bulkhead mount applications where size, weight, and power considerations are at a premium. The AT50 provides state-of-the-art low power processing combined with excellent display performance. Argon stands ready to customize the unit to fit specific program needs.

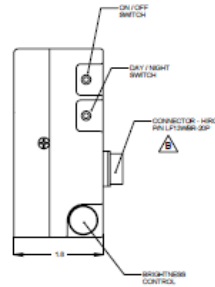
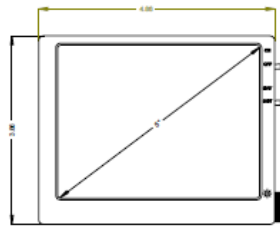
Over the years Argon has been developing and delivering compact units that can be used for mounted or dismounted operations. For dismounted, they can be configured with a variety of controls and connectors, and are suitable for interfacing to soldier level batteries. The units use little power in normal operation, and support touch screen and high brightness options. For mounting, a variety of helicoil inserts are available to ensure that the unit can be used for nearly any application.

Main Features:

- Integrated 5.0" Display and Intel® Quad Core Celeron Processor
- Extremely Small Mechanical Outline
- High Brightness Option
- Low Weight
- Rugged, Analog Resistive Touch Screen
- Variety of Windows or Linux OS
- Custom User Controls and Connectors

Argon Corp has over 28 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.



Technical Specifications for AT50 (Typical)

Display	
Display	5.0" Diagonal, TFT LCD w/ LED Backlight
Resolution	640x480
Brightness	300 Nits Typical, 750 Nits High Bright Option
Touch Screen	Ruggedized, Analog Resistive (Option)
Overall Unit	
Dimensions	4.86"x 3.86"x 1.8"
Weight	2.5+-lbs
Power Input	18-36 VDC External Power
Power Consumption	10 to 12W Typical, Depending on Usage Profile
User Controls	On/Off, Brightness Control, Day/Night, Others - Specify
Chassis	Aluminum, Enclosed
Connectors	Mil 38999, D Sub, Glenair Mighty Mouse®, or Specify
Computer	
Processor/RAM	Quad Core Celeron® Processor, 4GB RAM
Storage	64GB SSHD Standard, or Specify
OS	Windows 10, Linux
I/O	USB, RS-232, Ethernet, Others TBD by Application
Wireless	WiFi 802.11 with Flush Mount Antenna (Option)
GPS	Commercial – Specify Antenna or Comes with Sealed SMA Connector (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 +71°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



Metromatics

For further information or pricing, please contact us:

Melbourne 03 9872 4592 Sydney 02 9460 4355
Brisbane 07 3868 4255 Adelaide 08 8343 8516

sales@metromatics.com.au
www.metromatics.com.au

com

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Argon Corporation
1235 Old Alpharetta Rd, Suite 165, Alpharetta, GA 30005
Tel: (678) 608-4480
sales@argoncorp.com