

Argon Rugged Keyboard – ARK100

Computer Peripherals When You Need Them



Argon has developed small, lightweight and compact family of keyboards for rugged military environments. Our keyboards are resistant to penetrating materials such as sand, dust and liquids. A variety of keyboards can be selected for different languages, backlighting schemes, key force and travel.

The enclosure is made of bent, welded aluminum for the top assembly and a milled aluminum plate for a secure bottom plate that provides a solid base that is resistant to bending motions and can be bolted down. Pictured (right) is a version that has a hinged (with several locking positions) mounting provision for a 19" rack. The customer may select a variety of indicators or buttons depending on the application.

We provide a sealed pointing device, or the customer can specify.

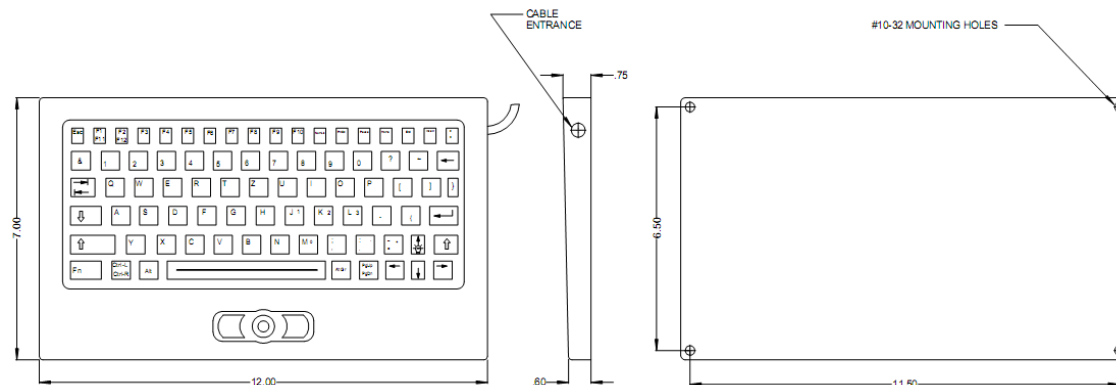
Main Features:

- Extremely Small Mechanical Outline
- Low Weight
- Rubber Sealed, Backlit Keys
- USB, RS-232 or PS/2 Communications
- Pigtail or Military Connectors
- Hinged Mounting Options

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.

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Technical Specifications for ARK100 Series Keyboards (Typical)

Overall Unit	
Dimensions	12.0" x 7.0 "x 0.75"
Weight	~2.8 lbs
Power Consumption	1W Typical
Keyboard	Rubber over Buttons, Sealed, Select Language
Interface	USB, RS-232or PS2
Keys	Backlit and Dimmable
Actuation Force	200 Grams
Key Travel	0.055 Inches
Key Lifetime	10 Million Cycles
Pointing Device	Sealed Micro Joy Stick
Other	Customizations And Adaptations Available On Request
Environmental	Meets, but not Limited to, the Following Specifications
Operating Temp	-40°C to +60°C
Storage Temp	-40°C to +70°C
Shock	40g, 11msec
Vibration	2.25grms Random
EMI/EMC	MIL-STD-461E
Altitude	20k ft Operating, 40k ft Non-Operating
Salt Fog, Sand/Dust	Resistant to Salt Fog, Unit is 100% Enclosed
Humidity	Operating & Storage – 95% @ 40°C, Non-Condensing