

Argon Rugged Keyboard – ARK200

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 ARK200 is fully qualified to airborne (C-130) specifications, including NVIS backlit keys.

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 or 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.

A trackball or glide pad can be specified by the customer.

Main Features:

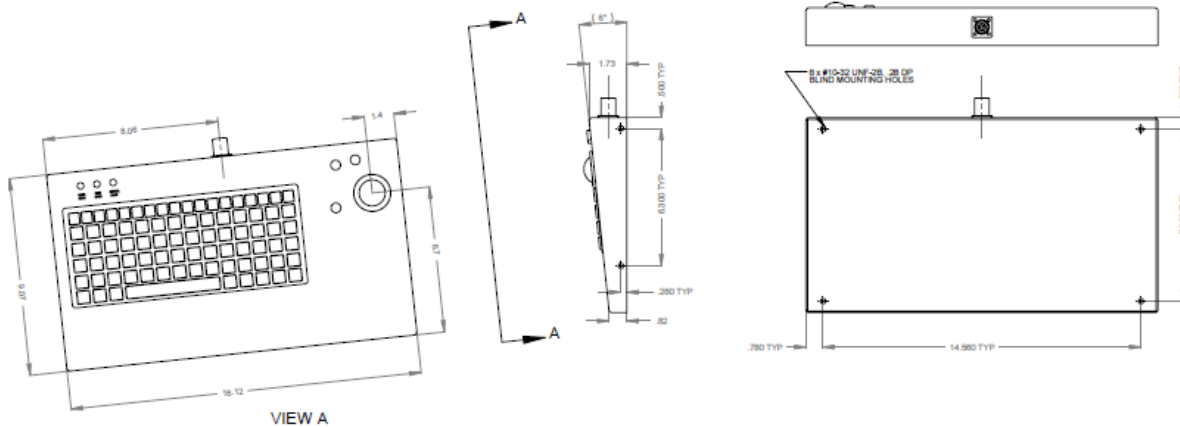
- Fully Qualified
- Extremely Small Mechanical Outline
- Low Weight
- Rubber Sealed, Backlit Keys
 - NVIS Option
- USB, RS-232 or PS/2 Communications
- Hinged Mounting Options



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 ARK200 Series Keyboard (Typical)

Unit Description	
Dimensions	18.5" x 7.31 "x 1.84"
Weight	~4.5 lbs
Power Consumption	1W Typical
Keyboard	Rubber over Buttons, Sealed, Select Language
Interface	USB, RS-232 or PS2
Keys	Backlit and Dimmable, and NVIS as Option
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 +55°C, 71°C for 30 minutes
Storage Temp	-57°C to +85°C
Shock	40g, 11msec
Vibration	30 Min Sine On Random, MIL-810E, Method 514.4, Proc 1, Cat 4
EMI/EMC	Full suite of MIL-STD-461E Performed
Altitude	50k ft Operational
Salt Fog, Sand/Dust	MIL-STD-810F, Method 510.4, Proc I & II
Humidity	100% Condensing, MIL-STD-810G, Method 507.5



Metromatics

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