



# ARK200 RUGGED KEYBOARD

FULLY QUALIFIED PERIPHERAL FOR DEFENSE  
APPLICATIONS



# ARK200

FULLY QUALIFIED PERIPHERAL FOR DEFENSE APPLICATIONS

Spectra offers a full-sized, lightweight, and compact family of keyboards designed for rugged military environments. These keyboards are resistant to penetration by sand, dust, and liquids.

A wide range of configurations is available, including multiple language options, backlighting schemes, and customizable key force and travel. The ARK200 is fully qualified to airborne (C-130) specifications and includes NVIS backlit keys.



## MISSION-READY CAPABILITIES:

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

## APPLICATIONS

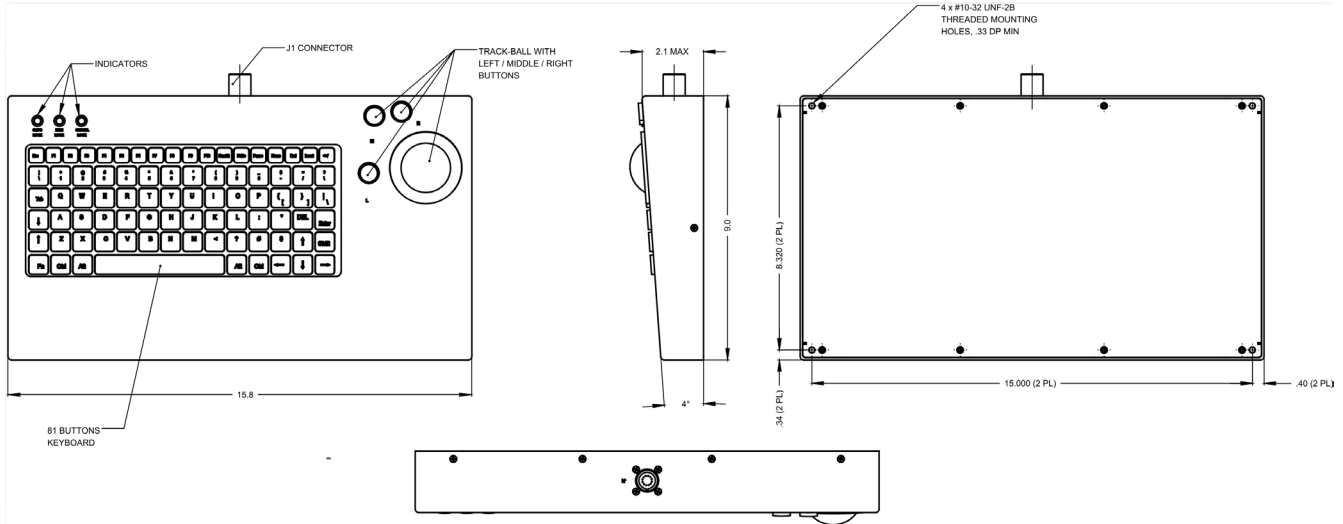
- Fixed & Rotary Wing Aircraft
- Naval & Maritime Vessels
- Military Ground Vehicles



FULLY QUALIFIED PERIPHERAL FOR DEFENSE APPLICATIONS

## SPECIFICATIONS

### TECHNICAL DRAWING



### UNIT DESCRIPTION

<b>Dimensions</b>	15.8" x 9.0" x 2.1" (401 x 229 x 53 mm) Typical (Customizable)
<b>Weight</b>	~4.5 lbs (~2.0 kg)
<b>Power Consumption</b>	1W Typical
<b>Interface</b>	USB, RS-232 or PS2
<b>Keys</b>	Backlit and Dimmable, or NVIS as Option
<b>Actuation Force</b>	200 Grams
<b>Key Travel</b>	0.055 Inches
<b>Key Lifetime</b>	10 Million Cycles
<b>Pointing Device</b>	Sealed Micro Joystick
<b>Other</b>	Customizations and adaptations available on request



## FULLY QUALIFIED PERIPHERAL FOR DEFENSE APPLICATIONS

ENVIRONMENTAL (Designed to meet, but is not limited to, the following selected specifications)

<b>Operating Temp</b>	-40°C to +55°C, 71°C for 30 minutes
<b>Storage Temp</b>	-57°C to +85°C
<b>Shock</b>	40g, 11msec
<b>Vibration</b>	30 Min Sine On Random, MIL-810E, Method 514.4, Proc 1, Cat 4
<b>EMI/EMC</b>	Full suite of MIL-STD-461E Performed
<b>Altitude</b>	50k ft Operational
<b>Salt Fog, Sand/Dust</b>	MIL-STD-810F, Method 510.4, Proc I & II
<b>Humidity</b>	100% Condensing, MIL-STD-810G, Method 507.5

# SPECTRA

Defense Technologies

Spectra Defense Technologies is a global provider of leading C5ISR solutions for aerospace and defense customers. With over 35 years of proven performance and differentiated expertise, we deliver fully integrated mission systems, data recorders, secure networking, edge computing, robust data-at-rest encryption and advanced visualization that capture, process, and display mission-critical data across air, land, sea, and space. Backed by engineering, sales, and production teams in North America and Europe, Spectra combines global reach with agile innovation to meet evolving end-user needs with speed and precision. Guided by a culture of innovation and deep customer partnership, we build enduring trust through open-architecture designs, technical excellence, and resilient systems designed to meet today's mission needs and anticipate tomorrow's demands for the U.S. DoW, NATO, European defense organizations, and allied partners worldwide. Visit [spectradefense.tech](https://spectradefense.tech) to learn more.

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