Cerberus II Tactical Portable Mission Computers



Features:

- Rugged, portable design for tactical and defense applications
- Intel® Core™ Ultra 7 165U processor
- 32GB DDR5 memory
- 1TB externally accessible SSD with second accessible drive bay
- Three 15.6-inch Full HD displays with 850-nit brightness
- Integrated 102-key backlit keyboard and 50 mm trackball
- Gigabit Ethernet connectivity with PoE support
- 24V DC input power
- Weighs less than 50 lbs.
- Designed to meet MIL-STD-810G environmental requirements
- Single- and dual-display configurations and customizable I/O options available upon request

Intel® Core™ Ultra 7 Processing| Triple 850-Nit Full HD Displays
Rugged, Portable Mission Computing |Designed & built in the USA

The Cerberus II Tactical Computer System is a rugged, portable computing platform designed for mission-critical defense and tactical applications. Powered by an Intel® Core™ Ultra 7 165U processor with 32GB DDR5 memory and a 1TB externally accessible SSD, the system combines high-performance computing with three integrated 15.6-inch Full HD displays featuring 850-nit brightness. A 102-key backlit keyboard and integrated trackball provide operator control within a compact, deployable platform.

Designed for demanding field environments, Cerberus II integrates Gigabit Ethernet connectivity with PoE support, USB interfaces, and 24V DC power input. The system is designed to meet MIL-STD-810G requirements for operating temperature, shock, vibration, and transit drop, with an IP53 ingress protection threshold. Single- and dual-display configurations and customizable I/O options are also available to support application-specific requirements. Cerberus II supports tactical command and control, mission planning, situational awareness, and other deployed defense applications.

SPECIFICATION



Computer Specifications

Processor	Intel™ Core™ Ultra 7 165U
Memory	32GB DDR5
Primary Storage	1TB SATA 2.5-inch SSD, externally accessible
Secondary Storage	Empty, externally accessible SSD bay
TPM	TPM 2.0, SPI interface

Display Specifications

Number of Displays	3
Display Type	15.6-inch TFT LCD, LED backlit
Brightness	850 nits
Resolution	1920 x 1080 (Full HD)
Contrast Ratio	1500:1 typical
Display Area	344.16 x 193.59 mm (H x V)
Pixel Pitch	0.17925 x 0.17925 mm (H x V)
Viewing Angle	±80° horizontal, ±80° vertical

I/O Interface & Power

USB	2 x USB 3.0
Ethernet	2 x RJ45 Gigabit Ethernet
PoE Ethernet	2 x RJ45 Gigabit Ethernet with PoE
Input Power	24V DC
Chassis Ground	1/4-20 external grounding stud

Keyboard Specifications

Interface	USB
Number of Keys	102
Key Color	Black
Key Legends	White, laser-etched, abrasion-resistant
Backlighting	Red LED, adjustable brightness

Trackball Specifications

Interface	USB
Ball Size	50 mm (2 inches)
Ball Color	Gray
Backlighting	Red LED ring
Tracking Engine	Infrared optical navigation, solid-state

Mechanical

Dimensions	9.15 x 19.20 x 14.85 inches (H x W x D)
Weight	Less than 50 lbs.

Environmental Conditions – Designed to Meet

Operating Temperature	0°C to +50°C; MIL-STD-810G, Methods 501.6 and 502.6, Procedure II
Transit Drop	MIL-STD-810G, Method 516.7, Procedure IV (tailored to 3 ft. height)
Vibration	MIL-STD-810G, Method 514.7, Procedure I, Category 4 (Table 514.7C-I)
Functional Shock	MIL-STD-810G, Method 514.7, Procedure I, Functional test for ground equipment (Table 516.7-III)
Ingress Protection	IEC 60529: IPS3 threshold, IP65 objective (storage and operating)