



SRoC

7" Windows 11 Version

The SRoC (Soldier Robotic Controller) series by UXV Technologies stands at the forefront of innovation as a tactical handheld controller for defense robotics and unmanned systems operating in challenging environments. Engineered for robustness, reliability, and advanced functionalities, the SRoC serves as a ruggedized ground control station. It offers a standardized, highly adaptable solution by interfacing with our cutting-edge Swappable Radio Modules (SRM) and the Nett Warrior connector. The SRM design allows operators to easily interchange radio modules and in addition to its internal battery, the SRoC supports two Swappable Battery Modules (SBMs) for easy power expansion. Its user-centric design not only ensures a seamless experience but also delivers an immersive interface, emphasizing control and safety for operators.

Mechanical

Finish	Soft touch coated ABS
Weight	2.04 lbs / 927 g
Dimension	10.08 × 5.11 × 2.55 inches / 256 × 140 × 65 mm
Mounting	Chest Mount Available, 4 Point Harness, Vehicle Mounting Available

Electrical

Charging	USB-C Power Delivery, Nett Warrior (Tablet + Attached accessories), SBM, SRM (with Twist-on battery attached)
Internal batteries	2 × 18650 Batteries

Computation

OS	Windows 11
CPU	Intel® Core™ i5-1345URE 12MB cache
Graphics	Intel® Iris® Xe Graphics
Memory	32GB In Band ICC (LPDDR5x)
Storage	512GB NVMe SSD (PCIe 4.0 ×4)

Security

Trusted Platform Module	TPM 2.0, Intel® PTT
Trusted Boot	ARM TrustZone (Built-in)
Functional Safety	Add on board optional, CISC

Environmental

Built To standards	MIL-STD-810-H
Ingress rating	IP65
Compliance	CE, ROHS compliant
Operating temperature	-20 C to +50 C (*Charging above 10 C)

Display

Size	7 inches
Resolution	WUXGA 1920 × 1200 (323ppi)
Response Time	12-15ms
Maximum Brightness	2000 Nits
Finish	Glossy
Contrast	1200:1
NTSC Color gamut ratio	102%
Viewing angle	80/80/80/80
Cover glass	Chemically strengthened Aluminosilicate Glass
Touch	10 Point Multitouch

Wireless

WiFi	WiFi 6E
Bluetooth	Bluetooth 5.3
Cellular	Optional 4G/5G
GNSS	Optional

Suggested Accessories

Case	SRoC Pelicase
Mount	SRoC Chest mount, 4 Point Shoulder Harness
Battery	2x Swappable Battery Module
Network	Pico Hub, Hexa Hub
Power	Nett Warrior Wall plug
Battery accessories	2 Bay SBM charger

Connections

USB-C	USB 3.2 Gen2 host (OTG, PD, BC 1.2, DP, HDMI)
Nett warrior port	EUD compatibility with Nett Warrior interface
SBM slot	Hot Swappable dynamically balancing ruggedized battery port
SRM Sledge	Swappable Radio Module with common mechanical and electrical interface

Human Interfaces

Front side	1 × 5D joystick, 2 × 2-Axis Hall-effect joystick, 4 x push buttons, 12 x bezel buttons
Backside	2 x operator presence buttons
Top	2 × 1-Axis joystick, 2 x push buttons with Flip Guard

Included in the box

Soldier Robotic Controller (Windows version)
SRoC User guide

