Mobilicom 8" Controller Pro

Take Control with The Perfect Balance of Power, Portability, and Adaptability

The Mobilicom 8" Controller Pro is a state-of-the-art Ground Control Station (GCS) designed to meet the rigorous demands of drone and robotics operations. This ruggedized, IP65-rated Tactical Mobile GCS delivers reliable performance in harsh environments, making it essential for military, industrial, and commercial applications. Its high-brightness display offers more screen real estate than smaller models, enhancing situational awareness while maintaining portability. The advanced processing power of Intel Core processors, combined with customizable configurations, allows operators to tailor the GCS for mission-specific success.

Built with a focus on long-term usability, the Controller Pro is NDAA-compliant and features future-ready technology, including compatibility with Software-Defined Radios (SDRs). This Portable Ground Control Station supports secure communication channels and meets stringent compliance standards, ensuring it remains adaptable and effective across evolving technologies and operational environments.

HIGHLIGHTS

- Balance of Portability and Performance
- Configurable, Ergonomic Controls
- Powerful Processing
- Future-Ready and Secure

KEY BENEFITS

- **Enhanced Situational Awareness:** 8" high-resolution, high-brightness GCS display. Ample GCS screen real estate for critical data visibility. Improved decision-making and mission effectiveness.
- **Robust Processing Power:** Intel Core i3/i5/i7 processors. Handles multiple intensive applications. Ensures responsive operations in mission-critical environments.
- **Mission-Specific Adaptability:** Customizable GCS controls—joysticks, programmable buttons, sliders, and glove-compatible touch screen. Rapid proficiency. Tailored to operational demands. Ensures precision and responsiveness.

- **Sustained Operator Efficiency:** Ergonomic, lightweight GCS design. Balanced weight distribution. Reduces physical strain. Maintains peak performance during extended missions.
- **Cost-Efficient Flexibility:** Scalable memory and storage. Tailored GCS configurations. Optimizes performance while managing costs. Choose the right processor and software for your mission and budget needs.
- **Comprehensive Security:** Windows 11 platform with built-in security. Continuous threat protection. Ensures GCS data remains secure and compliant.
- **Long-Term Usability:** Future-ready GCS design. Radio agnostic and SDR-compatible. Adapts to evolving UAV GCS technologies. Extends operational lifespan. Reduces the need for frequent upgrades.

KEY FEATURES

- **Balanced Performance-Size-Cost Ratio:** 8" high-resolution, high-brightness display. Ideal balance of screen real estate, power, and portability for GCS operations.
- **Ergonomic and Lightweight Design:** Compact, ruggedized IP65-rated GCS. Reduces operator fatigue, and enhances mobility for extended missions.
- **High-Performance Processing:** Intel Core i3/i5/i7 processors on Windows 11. Delivers robust, responsive power for complex mission scenarios.
- **Configurable GCS Layout:** Customizable controls—joysticks, programmable buttons, sliders, and glove-compatible touch screen. Tailored for mission-specific efficiency.
- **Flexible Configurations:** Ruggedized tablet options with scalable memory and storage. Choose the right processor to match cost and performance needs.
- **Future-Ready Design:** Radio agnostic with next-generation processors. Adapts to evolving communication protocols and future mission demands.

Contact us:
sales@mobilicom.com

For more info, scan the QR code or visit
mobilicom.com/products/8-inch-Controller-Pro

SPECIFICATIONS

Tablet Specifications

Type
- DT Research 381RP (DT Research 382DN optional)

CPU
- Intel Core i5/i7 (i3 with DT Research 382DN option)

User Interface
- Windows 11

Display
- 8" 1280 x 800 (800 Nits)

Interfaces

External Interface
- 2x USB3 Type C (1x PD)

Human Interface (Configurable)
- 2 Joysticks
- 6 Buttons (two safe-guards - optional)
- 2 Sliders
- 4-way

Power

External Power Input
- 19 VDC
- USB PD 19V

Battery
- Internal

Environmental

Temperature
- Operating -10 to 50°C (-30°C optional)
- Storage -50 to 85°C

Humidity
- 5-95% non-condensing

Sealing
- All-weather IP65 dust and water resistant

Grade
- Ruggedized

Dimensions [L x W x H]

Centimeters
- 18.6 x 34.4 x 7.45

Inches
- 7.32 x 13.54 x 2.93

Weight

Kilograms
- 1.95 kg

Pounds
- 4.3 lbs

08282024