

SIRA

AWOS Processing Unit (APU) & Akasa Lite



PT. Manvis Teknologi Enjinereng
Cikutra 27, Bandung 40124, Indonesia
manvis.com
info@manvis.com

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Enhancing Aviation Efficiency and Safety through Precise Weather Monitoring ++

SIRA is a comprehensive system package consisting of the AWOS Processing Unit (APU) and the Akasa AWOS Software, specifically designed for aviation operations. It offers a seamless and efficient solution for collecting, processing, and analyzing real-time weather data. The APU, equipped with advanced sensors, accurately measures parameters like temperature, humidity, wind speed, and atmospheric pressure, while the Akasa software ensures reliable data collection, analysis, and reporting. SIRA is capable of supplying aviation-specific data such as METAR and SPECI, making it an invaluable tool for flight planning and operations, ensuring the safety and efficiency of aviation activities.

AWOS Processing Unit **APU**

Seamless Precision, Powerful Results

Accurate Data Collection

Real-time Data Processing

Seamless Data Integration

Robust and Reliable

Easy Installation

Remote Monitoring and Control





AWOS Software

Introducing Akasa Lite, a streamlined version of our advanced AWOS software, Akasa Pro. Featuring a modern user interface, Akasa Lite is designed to provide aviation personnel in the field with real-time meteorological data. Even in its basic form, Akasa empowers airports to operate efficiently, as it offers essential features for monitoring weather conditions. With Akasa Lite, airports can ensure operational readiness and make informed decisions based on accurate and up-to-date weather information.

++ Akasa Lite offers a range of features to enhance the aviation experience ++

- **ATC Display:** Specifically designed for airport Air Traffic Control personnel, providing intuitive access to real-time meteorological data.
- **OBS Display:** Tailored for meteorology observer staff, offering a dedicated view to monitor and record weather observations.
- **Historical Data Access:** Allows users to access historical weather data for analysis and reference purposes.
- **METAR/SPECI Generator Code:** Facilitates the generation of METAR and SPECI reports with readily available code snippets.
- **Easy Configuration:** Enables effortless configuration of airport, runway, telemetry, and logger settings, ensuring efficient customization for each specific location.

Technical Specification

SIRA : APU & Akasa Lite

- Frequency 2 Ghz
- Redundent System
- SSD SATA 250GB, MSATA 250GB
- RAM 8GB
- Voltage range 110 ~ 300 Vac
- Frequency range 40 ~ 70Hz
- Rackmount
- Capacity 2000 VA / 1800 W
- Display Size 10.1
- Resolution 1024*600
- Touch Panel RTP/CTP
- MCU 200 MHz
- Flash 128 MB
- SRAM 512KB
- Web Based System
- METAR and SPECI code generator
- Complete Information on Runway Weather Parameter in Various Display including METAR and SPECI
- 10/100 Ethernet ports 5
- 10/100/1000 Ethernet ports 5
- SFP ports 1
- Number of USB ports 1
- Input Voltage 8-30 V
- Max power consumption 28 W
- PoE-out ports 510mA 18-30V
- Certification CE, EAC, ROHS

For more information please contact
info@manvis.com