iDronam Suparna

Processing Specifications v1.1 *Mar 17, 2025*

MENTHOSA
SOLUTIONS

💡 **Searching for Keywords**

Search for keywords such as "battery" and "install" to find a topic. Press Ctrl+F on Windows or Command+F on Mac to begin a search.

💡 **Printing this Document**

This document supports high resolution printing.

Revision Notes		
v1.0	01-Dec-2024	Initial Version
v1.1	17-Mar-2025	Processing Capability Specific Upgradation

Using this Manual

Legend

🛑Warning   ❗ Important   💡 Hints and Tips   📘Reference

Read Before the First Flight

Read the following documents before using the **Suparna**:

1. Disclaimer and Safety Guidelines
2. Quick Start Guide
3. User Manual

> ❗ It is recommended to watch all tutorial videos on the official Menthosa website and read the disclaimer and safety guidelines before using for the first time. Prepare for your first flight by reviewing the quick start guide and refer to this user manual for more information

🛑 The operating temperature of this product is 0° to 40° C. It does not meet the standard operating temperature for military grade application (-55° to 125° C), which is required to endure greater environmental variability. Operate the product appropriately and only for applications that meet the operating temperature range requirements of that grade.

Content

Processing Specifications

This section provides specifications about **Suparna** on board computer.

Processing Specifications

On-board Computer Specifications

SOC Name	Broadcom BCM2711
CPU Name	ARM Cortex-A72 (ARM v8)
Core Count	4 (Quad-Core)
Architecture	64 bit
Processing Speed	1.5 GHz
RAM	4 GB LPDDR4 @ 3200 MHz
Storage	32GB
Onboard Capabilities	Mapping, Obstacle Avoidance, AI/ML Analytics, Data Routing and Retrieval for MEC API, AI/ML Support for MEC.

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Sales Support : Mail us at sales@idronam.com

> ❗ This content is subject to change.

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