

# EM-J5-E3600 - Control system

*Emrys Industries*

*A Tamahagane Company*

The EM-J5-E3600 control system was developed for use in the [EM-J5 Flying Assistant Robot Series \(FARS\)](#), it became available in [YE 36](#).

## About the EM-J5-E3600

The J5-E3600 consists of a compact quantum computer, a data storage unit, and an emergency power cell.

### Details

- Manufacturer: [Emrys Industries](#)
- Nomenclature: EM-J5-E3600
- Type: Control
- Class: Electronic
- Designer: [Tamahagane Corporation R&D](#)

## Components

### Data storage unit

The J5-E3600 features two kinds of storage: short term and long term.

The short term storage uses conventional memory; it is capable of holding several hours of the EM-J5 most recent sensor logs and activities.

The long term storage in which it preserves memories 🧠 [3D optical data storage](#), the heart of which is a flawless manufactured diamond 🧊 [Icosahedron](#) 5cm in diameter. Around the crystal is an array of lasers which encode the data. This system gives the EM-J5 nearly instantaneous access to its massive data repository.

The short term memory is transferred to the long term in regular intervals automatically.

Note: An EM-J5 with a [EM-J5-E3602 - Communications \(SAOY\)](#) that is active will not transfer sensitive data into its long term memory.

## Emergency Power Cell

While the memory of the J5-E3600 is safe from power loss, the system is equipped with a rechargeable power cell. In the event of a catastrophic failure of the [EM-J5-G3600 - Power cell](#), the power cell gives the J5-E3600 enough power to safely power down the system and put it in a standby state.

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