

# Ge-T4-1a - Kumo-Class CTU



The Ge-T4-1a Kumo-Class Cargo Transfer Unit is [Geshrinari Shipyards](#) latest utility craft. It became available in [YE 34](#).

## About the Kumo

The Kumo was developed initially to be used with the [Ge-L6-1a - Taishita-Class \(Heavy Freighter\)](#). However it is also capable of being used at space stations to offload SSCC's. It is a one man craft designed to grapple SSCC's and move them. The Kumo is designed to work best in a low gravity environment.

The Kumo was built to move SSCC's to and from the freighter. It is primarily intended to transfer them between the freighter and a space structure. However they can be used to take an SSCC from orbit down to the surface. While a single Kumo can take most SSCC's to the surface, it is incapable of hauling the huge SSCC into a gravity well. To transfer a Huge SSCC requires a pair of Kumo working in tandem. The Kumo can fly back up to the ship when empty.

## Appearance

The Kumo takes its name from its appearance. It has four long legs that it grapples the cargo with. The legs are articulate and have joints that allow them to move and hold the container. The ends of the legs are the grips. These have pads which actually attach to the SSCC, the grips also serve as emitters for the graviton engine allowing the craft to vector thrust around the container. The main unit houses the cockpit with its wide windshield, power and propulsion.

A large thruster is mounted on the back which is the primary thrust source.

## History

When work began on the [Ge-L6-1a - Taishita-Class \(Heavy Freighter\)](#), the corporation needed a means to swiftly unload the large freighter. They focus the design on just the features needed to accomplish that purpose. This had the benefit of making the Kumo inexpensive, and compact.

# Specifications

## General

Class: *Kumo*-class Nomenclature: Ge-T4-1a Type: Utility craft Designers: [Tamahagane Corporation R&D](#)  
Manufacturer: [Geshrinari Shipyards](#) **Price:** 5,000 [KS](#) (Without customization)

## Dimensions

Length: 9.5m Width: 3m Height: 3m

## Crew and Accommodations

Crew: 1

## Damage Capacity

See [Damage Rating \(Version 3\)](#) for an explanation of the damage system.

Hull: 16 ADR Shields: 10 ADR

## Propulsion and Range

### Speeds

- **Sublight Engines:** .01 c 1,331 km/sec 832 miles/sec
- **Ion Thrust:** limited to 4G acceleration

## Durability and Maintenance

**Operating Time:** The Raba carries enough fuel for the [Geshrinari Fusion Generator](#) to operate for 120 hours of continuous power at normal levels.

**Service Lifespan:** Estimated 20 years of constant use, possibly longer with refits.

Refit Cycle: Frequent minor updates through the [Geshrinari Shipyards](#) system and a refit once every four to five years.

# Inside the Kumo

The only occupied space is the cockpit. It features an acceleration couch, flight controls, arm controls and life support.

A [EM-G1 Emrys Dusk Suit](#) or equivalent is stowed behind the seat in the event the cockpit is compromised.

The pilot has a 270 degree view through the windshield and an overlay that can pulled up to provide flight data.

## Systems

### Reinforced Hull

For structure strength and durability the craft is equipped with a hull using the [GE-T3-H3301 - Spacecraft \(OD\) Hull Construction](#)

### Power

The primary power for the craft is a [Geshrinari Fusion Generator](#) located behind the cockpit.

### Life Support

The *Kumo* uses the [Ge-T8-V3100 - Environmental System](#) for basic life support, air and gravity.

### Communications

The *Kumo* has full communications capabilities via the [Ge-T8-E3104 - Communications Array](#).

### Computer

The *Kumo* uses the [Ge-T8-E3103 - Computer Array](#) for its guidance and control needs.

### Propulsion

The *Kumo* uses a [Geshrinari Graviton Engine](#), which is vectored through the monopads.

The end of each is the grapple, which is equipped with [Molecure Tape](#) to secure the

When not in use they fold at the joint and are moved into the central position.

The *Kumo* is equipped with a [Ge-T3-P3300 - CDD/Ion drive module](#) aft of the generator to provide propulsion in zero g environments and additional thrust normally reserved for moving heavier containers.

It is also equipped with [Geshrinari Maneuvering Thrusters](#) to make roll, pitch and yaw maneuvers.

## Monopads

The monopads are mounted on the end of the booms for the craft. They have two functions. Their primary function is to attach to the SSCC securely. They do this by means of dispensing [molecure soltion](#) on the surface of the pad which bonds it to the container. They are equipped with the circuitry to release the bond as well.

The other function of the monopad is to serve as an emitter for the [Geshrinari Graviton Engine](#) when carrying a container. Conduits run through the booms and the monopad focuses and directs the energy.

## Sensors

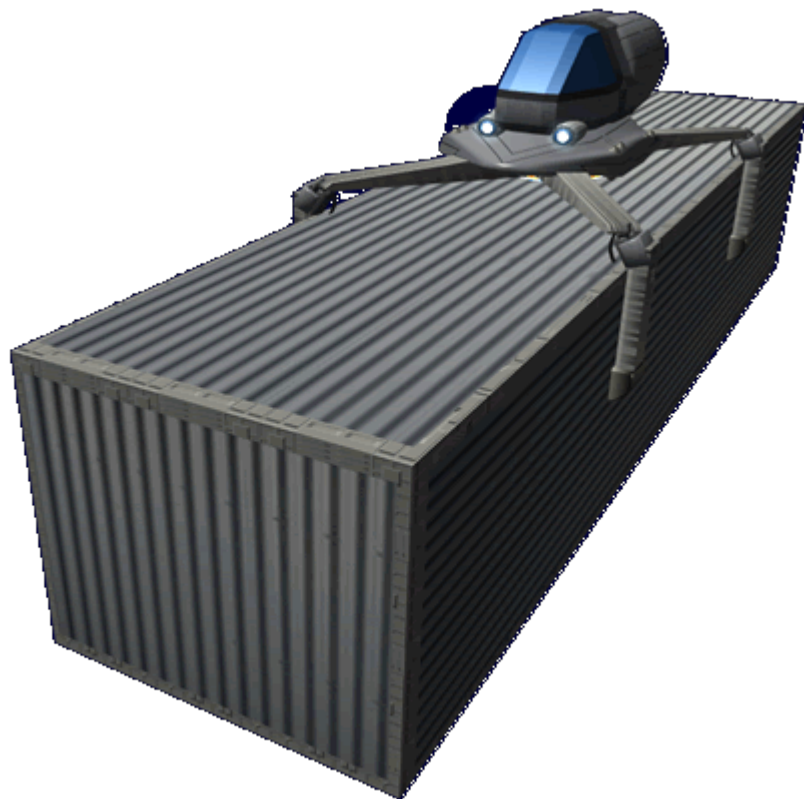
The *Kumo* is equipped with [Ge-T8-E3104 - Communications Array](#) for telemetry.

## Shields

The *Kumo* has a [Geshrinari Combined Field System](#) to protect the pilot and the cargo from micro-meteors and during re-entry.

## Additional images





## OOO Notes

- Authored by [Nashoba](#) May 25, 2012
- Submission Approved by [Wes](#) on May 25, 2012. [Forum Thread](#).
- Artwork by [Nashoba](#).

Products & Items Database	
Product Categories	small craft
Product Name	Kumo-Class CTU
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Manufacturer	<a href="#">Geshrinari Shipyards</a>
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