

# ATLAS ICU

## Initiation Control Unit

Get faster in the new space race.



The **ICU (Initiation Control Unit)** is an advanced solution designed for easy initiation of **hold-down and release actuators** in ground test campaigns of space mechanisms. With **intuitive control software**, configuration of release scenarios becomes simple - achieved within seconds with a few clicks on your PC. This user-friendly unit ensures guaranteed **synchronized activation** of up to 5 actuators via current pulse with millisecond precision.

Prioritizing safety, the ICU integrates robust **safety features**. Activation from internal memory and a tripled safety barrier ensure enhanced protection during actuator initialization, effectively minimizing potential risks and ensuring operational security.

The **ICU** package includes the unit itself, accompanied by a laptop with user-friendly software for seamless control, and a dedicated transportation box for convenience and protection during transit and storage.

### ATLAS ICU features

<b>Actuation steps</b>	Activation – Arming - Fire
<b>Max. actuation current</b>	≤ 5 A (pulse length 1 s) ≤ 10 A (pulse length 250 ms)
<b>Number of actuators</b>	up to 5 actuators (10 power lines)
<b>Status monitoring</b>	LED & SW
<b>Continuous running</b>	YES
<b>Actuation</b>	PC controlled for multiple actuators
<b>Pulse accuracy</b>	10 ms
<b>Cleanliness</b>	Closed design - clean room compatible
<b>Actuation safety</b>	Triple security, activation from internal memory
<b>Data interface</b>	USB, connected to Windows PC
<b>Cover</b>	Aluminium anodized enclosure
<b>Temperature range</b>	0°C to 40°C
<b>Dimensions</b>	250 x 270 x 100 mm
<b>Mass</b>	3 kg without cables
<b>Power supply</b>	230 VAC

Supported by:

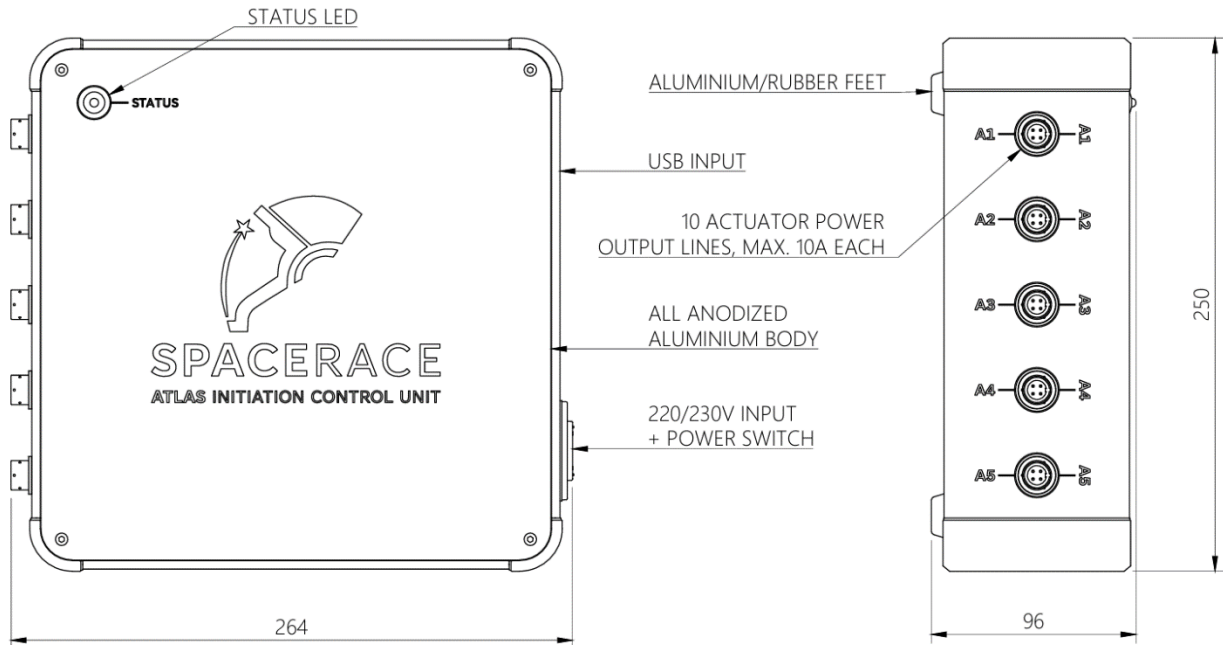


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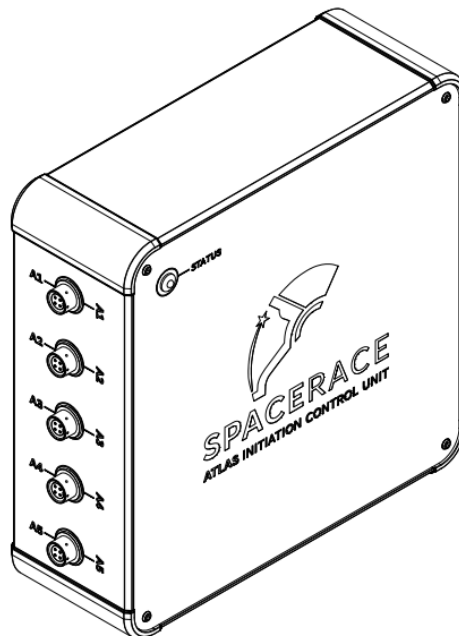
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## ATLAS ICU INTERFACES

### FRONT VIEW:



### 3D VIEW:



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