

PRODUCT DATASHEET

DANU RH

Radiation-hard DANU configuration for long-duration missions, higher-radiation environments, and deep-space or exploration platforms.

Hardware profile

Family	DANU family
Category	OBC variant
Status	Variant
Form factor	Inherits DANU modular OBC form factors
Radiation positioning	Greater than 100 kRad (Si) total ionizing dose tolerance; immune to SEL up to approx. 62 MeV·cm ² /mg
Primary target	Long-duration missions, higher-radiation environments, exploration/deep-space platforms, onboard autonomy and AI payload handling
Source pages	3

Key hardware

SAMRH71 radiation-hard MCU + integrated space tile

Variant

Attribute	Value	Source
MCU	SAMRH71 radiation-hard MCU	3
Integrated tile	Integrated space tile	3

Suitable for

Attribute	Value	Source
Suitable for	Advanced payload handling	3
Suitable for	Onboard autonomy	3
Suitable for	AI pre-processing and inference	3

Designed for

Attribute	Value	Source
Mission fit	Long-duration missions	3
Mission fit	Higher radiation environments	3
Mission fit	Exploration and deep-space platforms	3

Radiation

Attribute	Value	Source
Total Ionizing Dose	>100 kRad (Si) Accumulated tolerance	3
Single-event latch-up immunity	Immune to SEL up to ~62 MeV·cm ² /mg	3

Generated from the structured Setanta product catalog. Detailed electrical and mechanical specifications are available through direct mission review where applicable.