

Gemeinschaftsprojekt von:



cyber motor



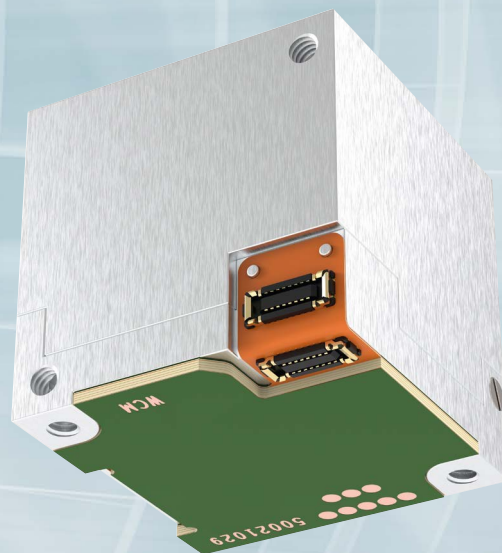
ZENTRUM
FÜR
TELEMATIK E.V.

cyber[®] reaction wheel 2

+ compact



+ efficient

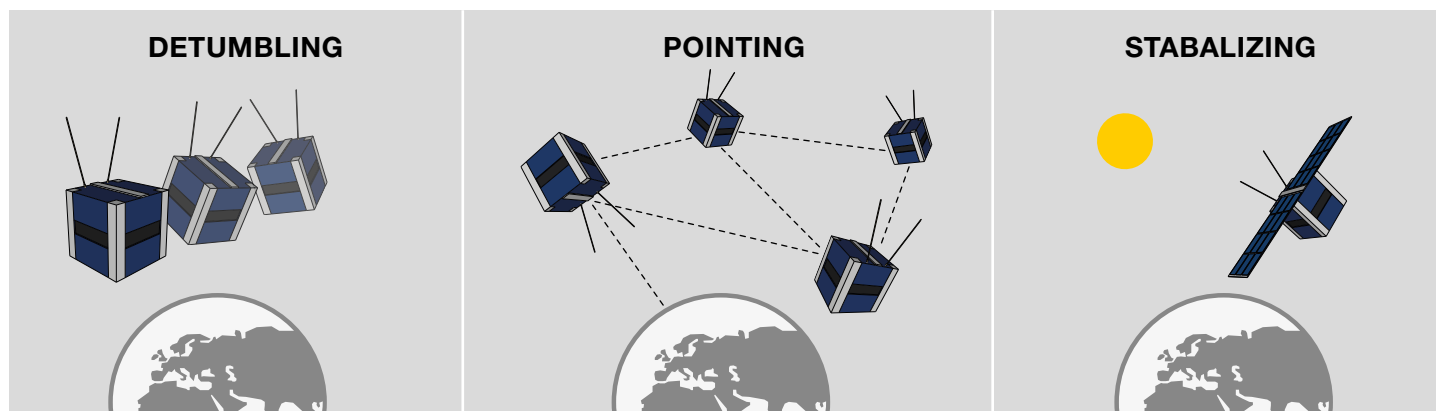


+ durable

+ connective

+ robust

Excellent solution for ambitious missions



Robustness

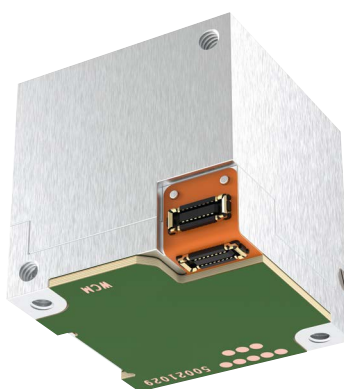
Vacuum up to 10^{-8} mbar
Temperature -60°C to +100°C

Efficiency

Power consumption < 200 mW

Durability

Lifetime 5 years



Compactness

Momentum storage > 2 mNms
20 x 20 x 20 mm square design
For 1U to 8U cubesats

Connectivity

Integrated drive electronic with
I2C, UART, SPI interface

Technical data	
Dimensions	20 x 20 x 20 mm
Mass	30 g
Momentum storage @ nominal voltage	2,0 mNms
Nominal power consumption (@8.000rpm)	200 mW
Max. power consumption (adjustable)	650 mW
Max. rotation rate	20.000 rpm
Operating voltage	3 to 8,8V
Nominal voltage	5V
Radiation resistance	> 200 Gy
Vacuum resistance	10^{-8} mbar
Operating temperature	-40°C to +85°C
Survival temperature	-60°C to +100°C

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