

NEWSPACE MARKET · COMPANY PROFILE



Airbus Defence and Space

France · founded 2014 · airbus.com/en/space

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newspacemarket.com/companies/airbus-defence-and-space/

as of 20 August 2026



Airbus Defence and Space

Airbus Defence and Space designs and manufactures satellites and spacecraft equipment, ranging from in-orbit delivery of satellites to electronic components. The company provides telecommunications and navigation satellites, Earth observation satellites (such as Sentinel-2 and MetOp), and contributes to space exploration with technology like the Orion European Service Module and the JUICE spacecraft. Airbus also enables access to space through the Ariane Group joint venture. Its product lines include Earth observation, telecommunications and navigation satellites, space exploration, space ground systems, and space equipment. Customers include agencies, operators, integrators, European governments, and commercial customers. The company has a worldwide presence with more than 180 sites and has over 50 years of aerospace engineering expertise. Notable programmes include the Orion European Service Module for the Moon, JUICE for Jupiter, and the Pléiades Neo Next satellite.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

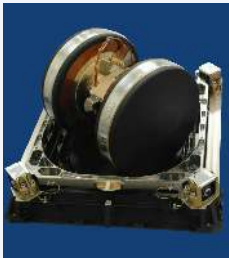
End-to-end training

A complete portfolio of training for mechanics, engineers and crew, covering the entire aircraft life cycle.

Specialist services (Consulting, Cybersecurity, Engineering & Design)

An offering of Consulting, Cybersecurity and Engineering & Design Services for the aerospace sector and beyond.

Product catalogue



AIRBUS DEFENCE AND SPACE

Agile Actuators (CMG 15-45S, 40-60S, 75-75S)

Airbus offers a range of Control Moment Gyroscopes (CMGs) for satellites, providing precise agility and high reliability with torque outputs up to 75Nm.

Satellite mass range	500 kg to 3 tonnes
Torque output	up to 75Nm
Flight heritage	Over 1 million cumulative operational hours in orbit without failures
Operational duration	Over a decade

[price on request](#) [datasheet](#)



AIRBUS DEFENCE AND SPACE

Airbus Space Battery Products

Airbus offers four product lines of space-qualified Lithium-Ion batteries (ASTRO-BATT, COSMO-BATT, STELLAR-BATT, LAUNCHER-BATT) designed for diverse space missions, from LEO conste

ASTRO-BATT Voltage Configurations	30, 50 and 100V
ASTRO-BATT Qualification	Successfully qualified mid-2024
COSMO-BATT Single Module Energy Range	500 to 3000 Wh
COSMO-BATT-S Energy	From 500 to 1000 Wh
COSMO-BATT-S Flight Heritage	On board on Galileo satellites
COSMO-BATT-M Energy	From 1100 to 2100 Wh
COSMO-BATT-M Flight Heritage	On board on OneSat satellites

[price on request](#) [datasheet](#)



AIRBUS DEFENCE AND SPACE

AOCS & GNC Sensors

Airbus offers a comprehensive range of avionics sensors for precise attitude control and navigation in space, including Astrix fibre-optic gyroscopes, Jena-Optronik star sensors, a

ASTRIX 200 bias stability	<0.0005°/h
ASTRIX 120 bias stability	<0.01°/h, startup <3s
Interfaces	1553B, RS422
Mission life	15+ years continuous operation

[price on request](#) [datasheet](#)



AIRBUS DEFENCE AND SPACE

AOCS/GNC Sensors

A range of Airbus attitude and orbit control sensors comprising Astrix fibre-optic gyroscopes, Jena-Optronik star sensors, and BASS bi-axis sun sensors for satellite and spacecraft

Astrix bias stability	as low as 0.0005°/h
Astrix mission lifetime	exceeding 15 years
BASS field of view	±90°
BASS mass	low mass
BASS thermal resistance	high thermal resistance
BASS applications	LEO, GEO, and interplanetary missions
Star sensors applications	Earth observation to deep space exploration

[price on request](#) [datasheet](#)



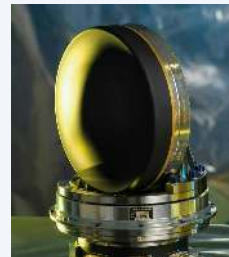
AIRBUS DEFENCE AND SPACE

ASTRIX 1090 Inertial Measurement / Accelerometer Unit

Three-axis fibre-optic inertial unit from the ASTRIX 1000 series offering low angular random walk and optional accelerometer channels for navigation.

Angular random walk	<0.005°/√h
Bias stability	<0.01°/h
Configuration	Optional accelerometer channels for full inertial navigation
Flight heritage	3+ million flight hours

[price on request](#) [datasheet](#)



AIRBUS DEFENCE AND SPACE

Control Moment Gyroscopes (CMG 15-45S / 40-60S / 75-75S)

A range of compact, high-torque Control Moment Gyroscopes from Airbus for precise and agile satellite attitude control, covering satellites from 500 kg to 3 tonnes.

Models	CMG 15-45S, CMG 40-60S, CMG 75-75S
Applicable satellite mass range	500 kg to 3 tonnes
Torque output	Up to 75 Nm
Design features	Patented designs, integrated vibration dampers
Cumulative in-orbit operational hours	Over 1 million hours, without failures
Flight heritage	Over a decade of mission success in orbit

[price on request](#) [datasheet](#)



AIRBUS DEFENCE AND SPACE

Eurostar Neo Satellite Bus

The Eurostar Neo is Airbus Defence and Space’s next-generation geostationary telecommunications satellite platform. It is built to host very large payloads from 3 kW up to 25

price on request



AIRBUS DEFENCE AND SPACE

High Performance Radiator technology (HiPeR) Flexlinks

HiPeR Flexlinks are highly flexible thermal straps developed by Airbus for spacecraft thermal control, offering superior conductance-to-mass ratio compared to traditional solutions

Conductance-to-mass ratio	three to five times higher than traditional solutions (W/K per kg)
Lead time	about 4 months (average)
TRL	9
Flight heritage	on-board missions in Telecom, Science, Earth Observation and megaconstellations

flight proven · TRL 9 price on request

datasheet



AIRBUS DEFENCE AND SPACE

OBCU-500-NS

The OBCU-500-NS is a high-performance On-Board Computer developed by Airbus Defence and Space to serve next generation LEO constellations and beyond.

Integrated functions	OBC, TM/TC, GPS receiver, AOCs interfaces
Mission life	10-year LEO rating
Product line	PureLine

price on request



AIRBUS DEFENCE AND SPACE

Power Conditioning and Distribution Units (PCDU)

Airbus offers advanced power conditioning and distribution units (PCDUs) optimized for space applications, ensuring reliable power conversion, regulation, and distribution for spac

Product	PSR 100V MKII
Qualification	Fully qualified
Fault Tolerance	Fault tolerant
Availability	Off the shelf unit
Development Origin	AIRBUS Defence and Space for telecom satellites under ESA initiative
Power Handling Capacity (PSR 100V MKII)	up to 23kW at 100V
Flight Heritage (PSR 100V MKII)	Onboard Alphabus, E3000, E3000-NEO and Galileo, selected by major operators and other spac

price on request datasheet



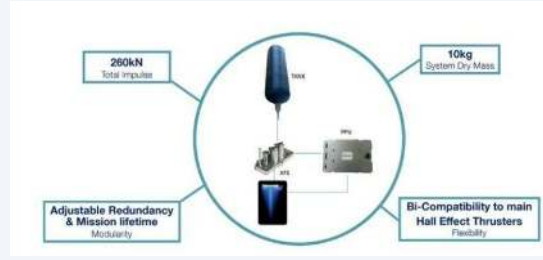
AIRBUS DEFENCE AND SPACE

PSR 100V MKII

A fully qualified, fault-tolerant power supply regulator developed by Airbus Defence and Space for telecom satellites under an ESA initiative, handling up to 23kW at 100V.

Power handling capacity	up to 23kW at 100V
Flight heritage	Alphabus, E3000, E3000-NEO, Galileo; legacy from PSR 50V with more than 80 units in flight

[price on request](#) [datasheet](#)



AIRBUS DEFENCE AND SPACE

PureLine Topaz/THORs

A compact, end-to-end power processing unit subsystem for satellite electric propulsion, developed for New Space and constellation applications with a 10-year LEO lifetime.

Lifetime	10 years in LEO
Electronic parts	Latch-up-free with error protection
Applications	Orbit raising, station-keeping, deorbiting
Product line	PureLine (New Space catalogue avionics)

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AIRBUS DEFENCE AND SPACE

PureLine Topaz/THORs Power Processing Unit

The PureLine Topaz/THORs is a compact, innovative, and flexible Power Processing Unit (PPU) designed for satellite electric propulsion, particularly for New Space applications.

Lifetime	10 years in LEO
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AIRBUS DEFENCE AND SPACE

Solid-State Recorders, Mass Memories and Payload Data Processing

This page describes a suite of digital payload equipment for space applications, including the CORECI 2 compression, recording, and ciphering equipment, the NEMO-2 2041 compact sol

CORECI 2 Flight Heritage	in flight since 2021
NEMO-2 2041 Heritage	over 30 years of strong flight heritage on solid-state technologies

[price on request](#) [datasheet](#)

Contact Airbus Defence and Space

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/airbus-defence-and-space/>

<https://www.airbus.com/en/space>

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