

NEWSPACE MARKET · COMPANY PROFILE



Plan-S (Connecta)

Turkey · founded 2021 · plan.space

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as of 20 August 2026

Plan-S (Connecta)

Plan-S designs, manufactures, launches, and operates complete satellite platforms, subsystems, and mission-specific payloads. The company offers two main product lines: Connecta, which provides satellite IoT connectivity for devices beyond terrestrial coverage, and Observa, which delivers actionable insights from space data through advanced analytics and AI for applications like environmental monitoring, disaster response, and smart agriculture. Plan-S serves organizations across various industries, helping them monitor, connect, and understand assets, operations, and environments. The company is headquartered and founded in Türkiye, with manufacturing capabilities entirely in-house. It has launched 21 satellites in four years, with 17 satellites successfully launched as of a later statement, and aims for a constellation of hundreds by 2030. Its global infrastructure includes ground stations in Ankara, Erzurum, and Sweden, supported by four additional partner-operated stations.

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

Constellation Build-Out Scale from a pilot satellite to a multi-satellite constellation, including architecture, deployment strategy, multi-satellite operations, and lifecycle management.	Hosted Payload Mission Fly your payload on a Plan-S smallsat for rapid flight heritage, including integration, launch, in-orbit operations, and data delivery.
Mission management Plan-S offers end-to-end mission management, ensuring all aspects of a satellite mission are handled from design to in-orbit operations.	Satellite ground operations Plan-S handles satellite ground operations end-to-end, ensuring predictable, scalable, and repeatable outcomes for complex space programs.
Single Satellite Mission Deploy a dedicated small satellite engineered for your application, including platform delivery, integration, launch, licensing, and end-to-end operations.	

Product catalogue



PLAN-S (CONNECTA)

Connecta IoT Module and Dual-Band Antenna

The Connecta IoT Module and Dual-Band Antenna provide efficient, global satellite IoT connectivity, designed for seamless integration and long-term reliability in harsh conditions.

IoT Module - Options	Two options available with or w/o GNSS
IoT Module - Chipsets	Equipped with STM32WB MCU, LR1110 RF IC and MT3333 GNSS chipset (optional)
IoT Module - LoRaWAN Stack	Enhanced LoRaWAN stack for Connecta IoT Network
IoT Module - Connectivity	Dual Mode Connectivity, supports both terrestrial and non-terrestrial connectivity
IoT Module - Wake-up Algorithm	TLE based advanced wake-up algorithm for long battery life
IoT Module - Deep Sleep Power Consumption	~6.8 µA
IoT Module - RX Power Consumption	~23 mA

price on request [datasheet](#)



PLAN-S (CONNECTA)

Earth Horizon Sensor

The Earth Horizon Sensor is a compact, low-power attitude determination sensor designed for CubeSat and MicroSat missions, providing reliable Earth-referenced orientation.

Measurement Accuracy	1° (3σ)
Supply Voltage	5 V
Maximum Current	40 mA
Mass	24 grams
Dimensions	40 x 25 x 20 mm

price on request [datasheet](#)



PLAN-S (CONNECTA)

IoT Core

IoT Core is an end-to-end platform that connects millions of field devices to the cloud via satellite and terrestrial networks, providing a unified control plane for activation, se

price on request



PLAN-S (CONNECTA)

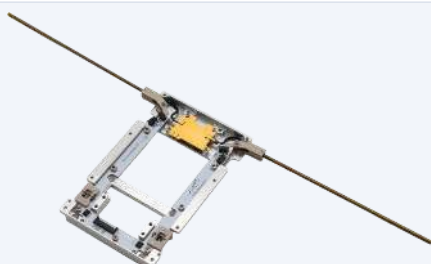
Magnetic Torque Rod family (PS-MTQ-0.8 and PS-MTQ-4)

The Magnetic Torque Rod family provides compact and efficient magnetic actuation solutions for spacecraft attitude control systems, designed for detumbling and reaction wheel unloa

Magnetic Moment (PS-MTQ-4.0)	4 A·m ²
Supply Voltage (PS-MTQ-4.0)	5 V
Maximum Current (PS-MTQ-4.0)	225 mA (at room temperature)
Mass (PS-MTQ-4.0)	200 grams
Dimensions (PS-MTQ-4.0)	160 x 35 x 20 mm (including driver board)
Magnetic Moment (PS-MTQ-0.8)	0,85 A·m ²
Supply Voltage (PS-MTQ-0.8)	5 V

price on request

[datasheet](#)



PLAN-S (CONNECTA)

Plan-S (Connecta) Satellite Deployable Structures

Turkish company developing deployable structures and mechanisms for CubeSats and small satellites, including solar panel deployment systems.

Products	Deployable structures, solar panel and antenna deployment mechanisms
Applications	CubeSats, small satellites
Country	Turkey

price on request



PLAN-S (CONNECTA)

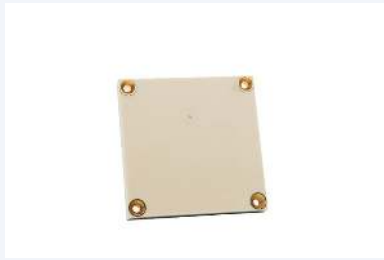
S-Band Dual-Band Patch Antenna

This compact stacked-patch antenna is designed for demanding S-band SatCom & TT&C missions, offering reliable circular polarization, broad coverage, and environmental robu

Frequencies	2025-2110 MHz / 2200-2290 MHz
Peak Gain	~ 6.1 dBi
VSWR	< 1.7:1
Polarization	RHCP
Port-to-Port Isolation	> 23 dB

price on request

[datasheet](#)



PLAN-S (CONNECTA)
S-Band Patch Antenna

The S-Band Patch Antenna is a compact, flight-proven antenna designed for robust uplink and downlink performance in small satellite missions, specifically for TT&C applications

Frequencies	2025–2110 MHz or 2200–2290 MHz
Peak Gain	> 6 dBi
Port-to-Port Isolation	> 30 dB
VSWR	< 1.5:1
Beamwidth	92° ± 2°
Polarization	RHCP
Operating temperature	-40°C to +85°C

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

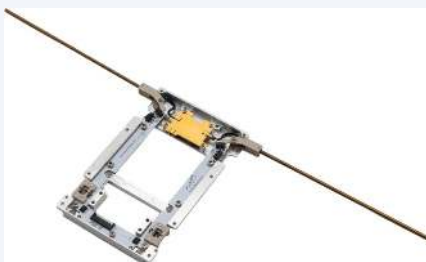


PLAN-S (CONNECTA)
Software Defined Radio (SDR)

The SDR is a compact, high-performance, and modular radio subsystem designed for small spacecraft, offering scalable processing and multi-application support.

Frequency Range	70 MHz - 6 GHz
Memory	4 Mbit /8 Mbit SPI FRAM
Memory	128 Gbit SD Memory
Mass	<280 gr
Power Consumption	< 7W

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



PLAN-S (CONNECTA)
UHF Deployable Dipole Antenna

The UHF Deployable Dipole Antenna offers superior RF performance with a patented, stress-free deployment mechanism, ensuring high mission reliability for critical communication lin

Frequencies	400 - 403 MHz
Peak Gain	~ 2 dBi
VSWR	< 1.5:1
Polarization	Linear
Flight heritage	TRL-9, established space heritage

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



PLAN-S (CONNECTA)
UHF Deployable Monopole Antenna

The UHF Deployable Monopole Antenna provides omnidirectional RF performance for small satellite TT&C links with a stress-free deployment architecture.

Frequencies	360 - 440 MHz
Peak Gain	~ 0 dBi
VSWR	< 1.5:1
Polarization	Linear

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



PLAN-S (CONNECTA)

X-Band Patch Array Antenna

The X-Band Patch Array Antenna is a high-gain, compact, and lightweight antenna optimized for high data rate X-Band communication systems in satellite platforms.

Frequency Range	7900–8500 MHz
VSWR	< 1.45
Peak Gain	20.7 ± 0.5 dBic
Half-Power Beamwidth (HPBW)	18.5° ± 0.5° @ XZ-Plane
Half-Power Beamwidth (HPBW)	8.7° ± 0.2° @ YZ-Plane
Polarization	Right-Handed Circular (RHCP)
Axial Ratio	< 2 dB within HPBW

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

PLAN-S (CONNECTA)

X-Band Transmitter

The X-Band Transmitter provides reliable, high-throughput downlink for LEO missions with adaptive modulation, DVB-S2 coding, and a modular architecture.

Frequency Range	8025 – 8400 MHz
RF Output Power	Up to 33 dBm (in-flight configurable)
Modulation	QPSK, 8PSK, 16APSK, 32APSK
Data Rate	425 Mb/s
Frequency Stability	±1 ppm (per year) ±3 ppm (10 years)
Supply Voltage	10.5-28V
Interfaces	SERDES, CAN, LVDS, Ethernet

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

Contact Plan-S (Connecta)

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.

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<https://www.plan.space>

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