

UMOJA

Product Datasheet

GSaaS and MCS orchestration for multi-site ground stations, Expedite modems, and third-party GSaaS networks.



Multi-GS

network orchestration

Expedite native

modem integration

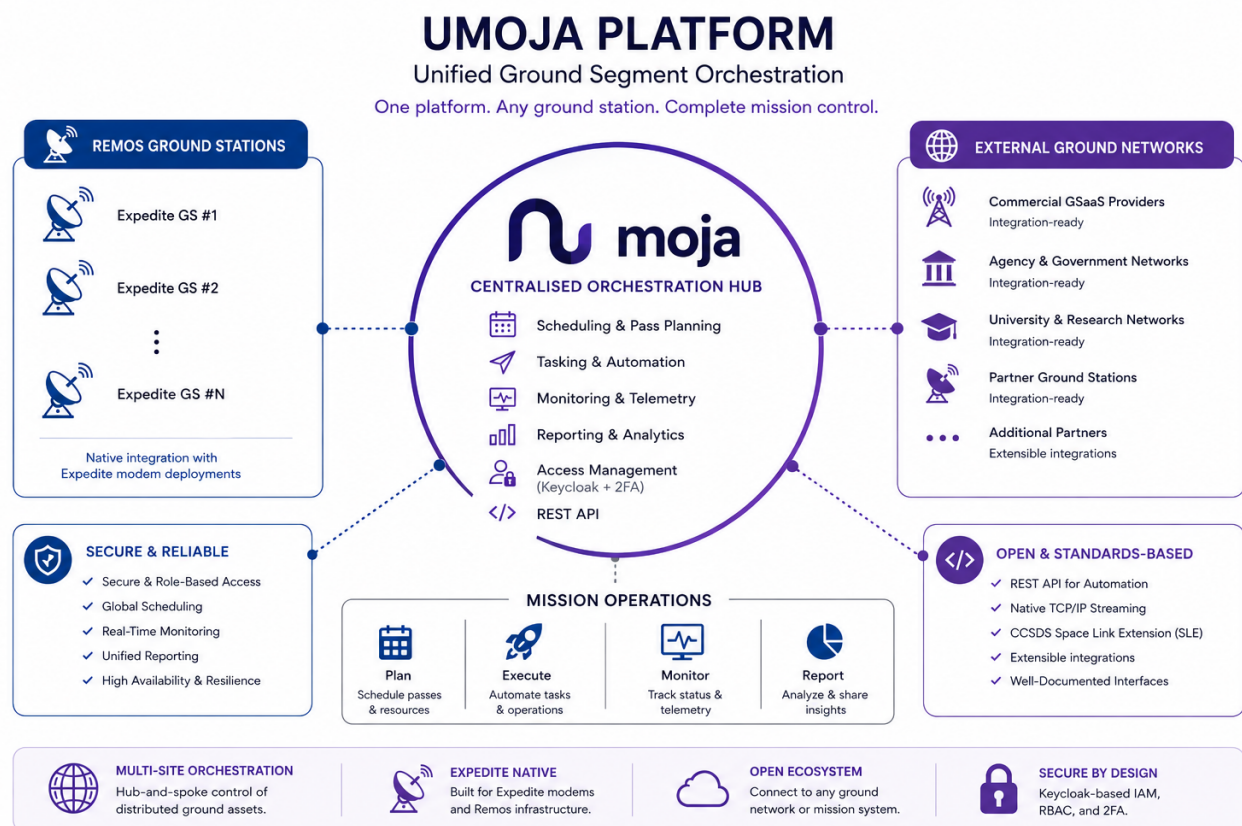
REST API

automated operations

Keycloak + 2FA

secure access

Manufacturer	Remos Space Systems AB
Product	UMOJA
Product class	Ground station orchestration and GSaaS management platform
Primary role	Centralised orchestration of ground stations, modems, and MCS workflows
Deployment	Web portal and orchestration services
Product page	https://www.remosspace.com
Contact	info@remosspace.com



UMOJA portal — centralised ground station orchestration

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Platform and Orchestration

Function	Specification
Product form	Software platform and web-based UMOJA portal.
Portal role	Central orchestration layer for multi-site ground-station operations.
Scheduling & tasking	Pass planning, ground-station tasking, and automated operations via REST API.
MCS integration	Connects mission control workflows to ground-station resources.
Monitoring	Real-time ground-station status, pass visibility, and telemetry oversight.
Reporting	Unified operational reporting and analytics across the network.
Network model	Hub-and-spoke orchestration from the portal to distributed ground assets.

Ground Station and Partner Integration

Category	Specification
Expedite ground stations	Native integration with Expedite modem deployments (multi-site).
Owned assets	Manages Remos modems, antennas, and connected RF infrastructure.
Third-party GSaaS	Supported partner networks including Safran, KSAT, Leaf Space, and RBC Signals.
Additional partners	Extensible integration for other third-party modems, antennas, and GSaaS networks.

Security, Access, and Interfaces

Capability	Specification
Operator access	Web-based portal for day-to-day ground-segment operations.
Authentication	Self-service user accounts with secure two-factor authentication (2FA).
Identity & authorization	Keycloak-based access management; role-based permissions for operators, administrators, and partners.
Operational security	Segregated access to scheduling, monitoring, and configuration functions.
Data interfaces	Native TCP/IP streaming; CCSDS Space Link Extension (SLE).
Documentation	Product manual and REST API documentation (English).