

UMOJA

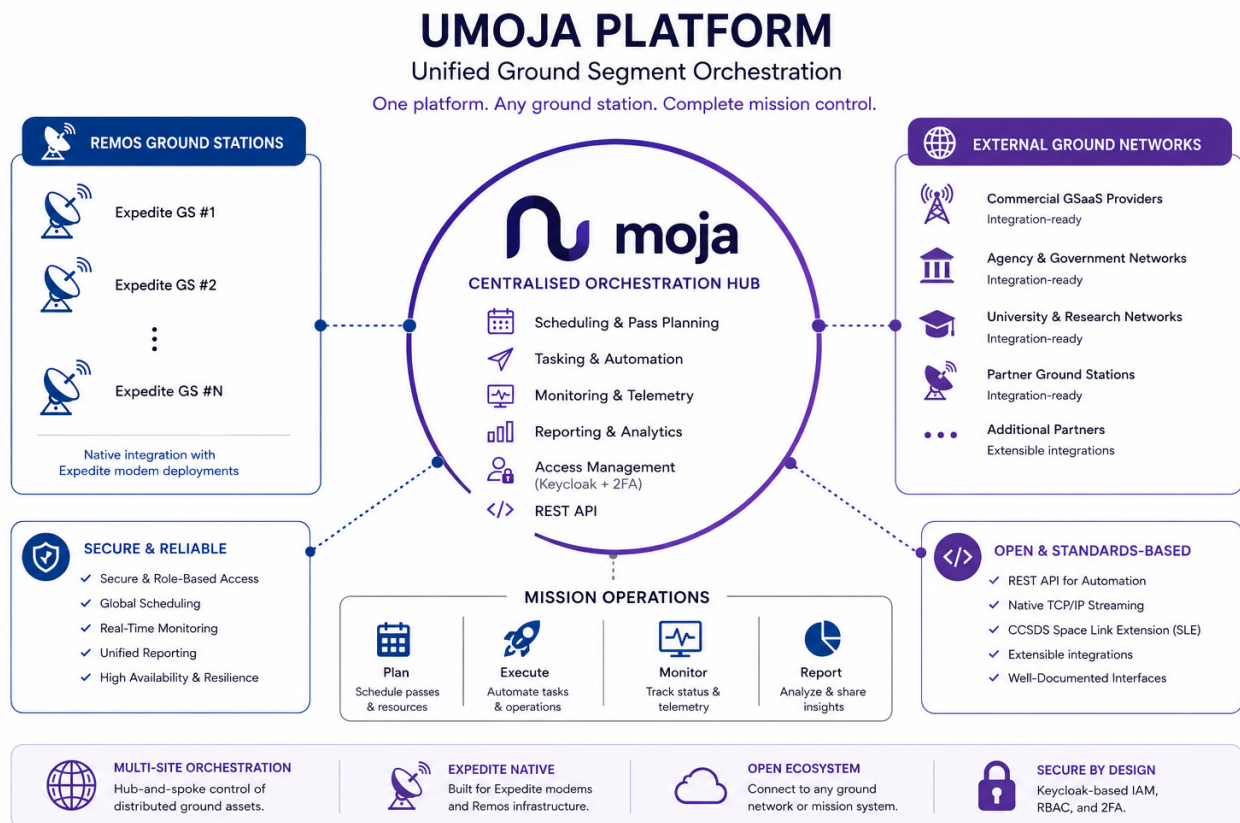
Product Datasheet



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
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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 work-flows
Deployment	Web portal and orchestration services
Product page	https://www.remosspace.com
Contact	info@remosspace.com



UMOJA portal — centralised ground station orchestration

Remos Space Systems AB Aurorum 1C, 977 75 Luleå, Sweden

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	Could be added upon request
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).