

TELECOMMUNICATION GEO SATELLITE

YAMAL-502

Ka-band broadband satellite services for B2C, as well as mobility

Manufacturer

Gazprom AIT Facility

Operational
lifetime

15 years

Yamal-502 is an innovative geostationary telecommunications satellite with a software-defined digital payload that provides multi-beam coverage and allows solving a wide range of tasks in the Northern regions of the country, Eastern Siberia and Far East. The payload and all systems of the spacecraft were developed by the Design Bureau of Gazprom AIT Facility LLC in joint cooperation with Russian enterprises



Yamal-502 Satellite capabilities:

- communication services for mobility: commercial aviation, maritime, automobile and railway transport;
- B2C broadband: Ka-band Internet access, multimedia;
- trunking for various types of traffic: data transmission, Internet, satellite backhaul for mobile operators, etc.

TELECOMMUNICATION GEO SATELLITE

Yamal-601

Yamal-502



Aviationaviaция



Maritimeмской



Railway transport



Automobile transport

Satellite orbita

GEO

Точка Positionостояния

90° E

Number of beams

40

Total throughput

up to 39 Gbps

The flexible digital payload will allow forming multi-beam coverage and redistributing the satellite's throughput among the beams during operation, depending on market needs, as well as provide interference elimination for the signal transmitted

The Yamal-502 satellite coverage area will complement the Yamal-601 satellite coverage area and cover the entire territory of the Russian Federation to provide high-quality Ka-band broadband services



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