



ND SATCOM

2.4m Mobile Station

The ND SatCom 2.4m Mobile Station is the Satellite Communications solution of choice whenever a mobile uplink is needed, such as for disaster recovery, crisis management, emergency response or interim/backup uplink.

This mobile station with a 2.4m antenna is self-supporting. It contains both a power generator and air conditioning/heating to function independently of local infrastructure. It also contains climate controlled vibration-cushioned 24RU rack space for electronic equipment and ample accessories space in the non-climate controlled area. Designed on a single-axle trailer, it can be easily transported.

KEY FEATURES

- Built for autonomous field operation; self-supporting
- 10 kW power generator
- External power input including isolating transformer
- Air conditioning: 3kW cooling and 2 kW heating capacity
- 24RU climate controlled rack space
- 2.4m antenna capable of multiple frequency bands (C, Ku, DBS and Ka)



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TECHNICAL SPECIFICATIONS

Size L x W x H

Container incl. stowed Antenna

3144 x 1813 x 1844 mm

Mounted on trailer

max. 5070 (min. 4490) x 2150 x 2900 mm

Weight

up to 5000 kg

Transport

On Trailer (MOT approved)

Detached from trailer in 20 ft ISO container

Environmental

Temperature

-30°C up to +50°C

Wind

20 m/s steady gusting up to 27 m/s

RF-SPECIFICATIONS

RF-PERFORMANCE	C-BAND	KU-BAND	K-BAND	KA-BAND
Feed type/ Polarisation	2 Port Circular	2 Port Linear	2 Port Linear	2 Port Circular
Frequency Range TX (GHz)	5.85 – 6.425	13.00 – 14.50	17.30 – 18.40	27.50 – 31.00
Frequency Range RX (GHz)	3.625 – 4.20	10.70 – 12.75	10.70 – 12.75	17.70 – 21.20
Antenna Gain TX (dBi)	42.1 @ 6.138	48.5 @ 13.75	50.3 @ 17.85	54.7 @ 29.25
Antenna Gain RX (dBi)	38.0 @ 4.00	47.1 @ 11.725	47.5 @ 11.725	51.4 @ 18.95
EIRP (dBW)	69.7	75.3	77.3	78.1
G/T @ 10° El (dBK)	18.0 @ 4.0	24.5 @ 11.725	26.0 @ 11.725	27.5 @ 18.95

ND SatCom reserves the right to change specifications without notice.



HEADQUARTERS

ND SatCom GmbH
 Graf-von-Soden-Strasse
 88090 Immenstaad
 Germany
 PHONE: +49 7545 939 0
 FAX: +49 7545 939 8780
 E-Mail: info@ndsatcom.com

CHINA

ND SatCom (Beijing) Co. Ltd.
 PHONE: +86 10 6590 6869/6878

MIDDLE EAST

ND SatCom FZE
 PHONE: +97148865012

www.ndsatcom.com

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