Norsat International Inc.

Innovative Communication Solutions

ESER620KU4B

ANCHOR 6.2m Ku-Band Earth Station Antenna

# of Ports: 4-ports

We recommend purchasing the corresponding Antenna Control System along with the **motorized** Earth Station, unless you plan to develop the control system yourself. Please note that the Antenna Control System is sold separately at an additional cost.
For Manual Structure Antennas, a control system is not required.
For the 6.2m Ku-Band Earth Station Antenna, **both** the single-speed and dual-speed control systems are compatible. We recommend the dual-speed control system for its flexibility in offering both high and low drive speeds. However, you are also welcome to choose the more cost-efficient single-speed option, which provides a constant drive speed.

KEY SPECIFICATIONS

Band	Ku-Band

ANTENNA SPECIFICATIONS

Antenna Aperture	6.2m
Antenna Drive Mode	3-axis motorized structure
Antenna Type	Ring Focus
Number Of Ports	4-ports
Polarization	Linear
Rx Axial Ratio 2 Ports	1.2 dB
Rx Cross Polarization Isolation	≥30 dB
Sidelobe	≤-14dB; 29 - 25 logθ(1°≤θ＜20°)
Tx Axial Ratio 2 Ports	1.2 dB
Tx Cross Polarization Isolation	≥30 dB

RF SPECIFICATIONS

Noise Temperature Elevation 10°	50 K
Noise Temperature Elevation 30°	39 K
Noise Temperature Elevation 50°	36 K
Port Isolation Rx-tx	85 dB
Rx Feed Insertion Loss	≤0.35 dB
Rx Frequency	10.70 - 12.75 GHz
Rx Gain	55.85 @ 11.85GHz

© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.

Rx VSWR	1.3 : 1
Tx Feed Insertion Loss	≤0.35 dB
Tx Frequency	13.75 - 14.50 GHz
Tx Gain	57.37 @ 14.125GHz
Tx VSWR	1.3 : 1

ELECTRICAL SPECIFICATIONS

Power Capacity	2 KW

INTERFACE SPECIFICATIONS

Rx Interface	WR-75
Tx Interface	WR-75

ENVIRONMENTAL SPECIFICATIONS

Humidity	1.0
Ice Load	Icing 13mm: normal work; Icing 25mm: no damage
Seismic Capacity Horizontal	0.3 G
Seismic Capacity Vertical	0.1 G
Temperature Operational	-30 - 50℃
Windspeed Operational	72 km/h
Windspeed Survival	216 km/h

PHYSICAL SPECIFICATIONS

Loading Capacity	1 set for 40ft container
Motion Range AZ	±70°(Truss type), 5° - 355° continuous (turntable type)
Motion Range EL	5° - 90°
Motion Range POL	±90°
Product Package Volume	5 packages, dimension: 22 CBM
RMS	≤0.5 mm
Structure	LMC/ FMC

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8529109090	Made in China	China		| 3590 kg

HOW TO ORDER

© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.

Norsat International Inc.

Innovative Communication Solutions

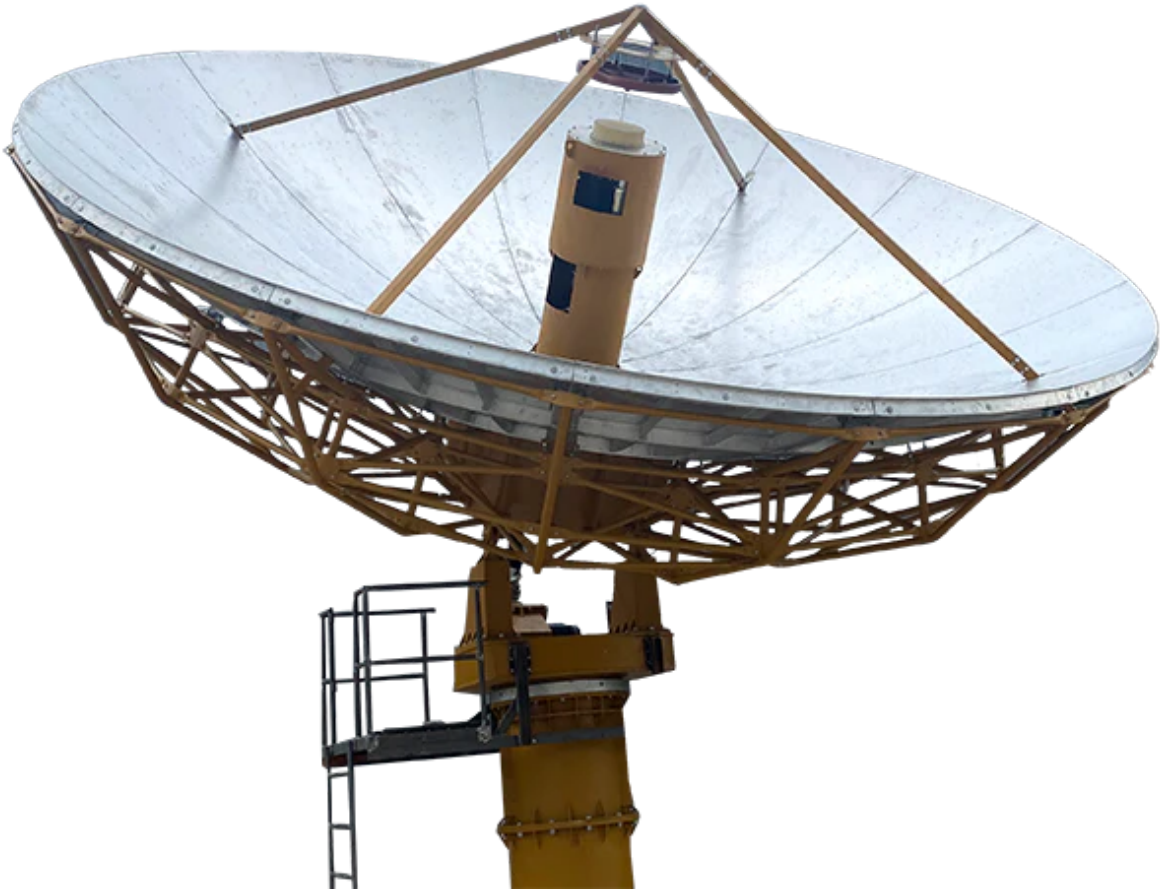
EARTH STATION

ESES180KU2A

E SERIES

ANTENNA STRUCTURE	**BLANK:** Manual Structure **A:** 2-axis Motorized Structure **B:** 3-axis Motorized Structure
# OF PORTS	**2:** 2-ports **4:** 4-ports
BAND	**KA:** Ka-Band **KU:** Ku-Band
ANTENNA APERTURE	**180:** 1.8m **240:** 2.4m **370:** 3.7m **450:** 4.5m **620:** 6.2m **730:** 7.3m **900:** 9.0m **1300:** 13.0m
ANTENNA TYPE	**C:** Cassegrain **S:** Single Offset **R:** Ring Focus

MECHANICAL DIAGRAMS



© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.