PolaNt-X MF.v2

High-precision multi-frequency GNSS antenna

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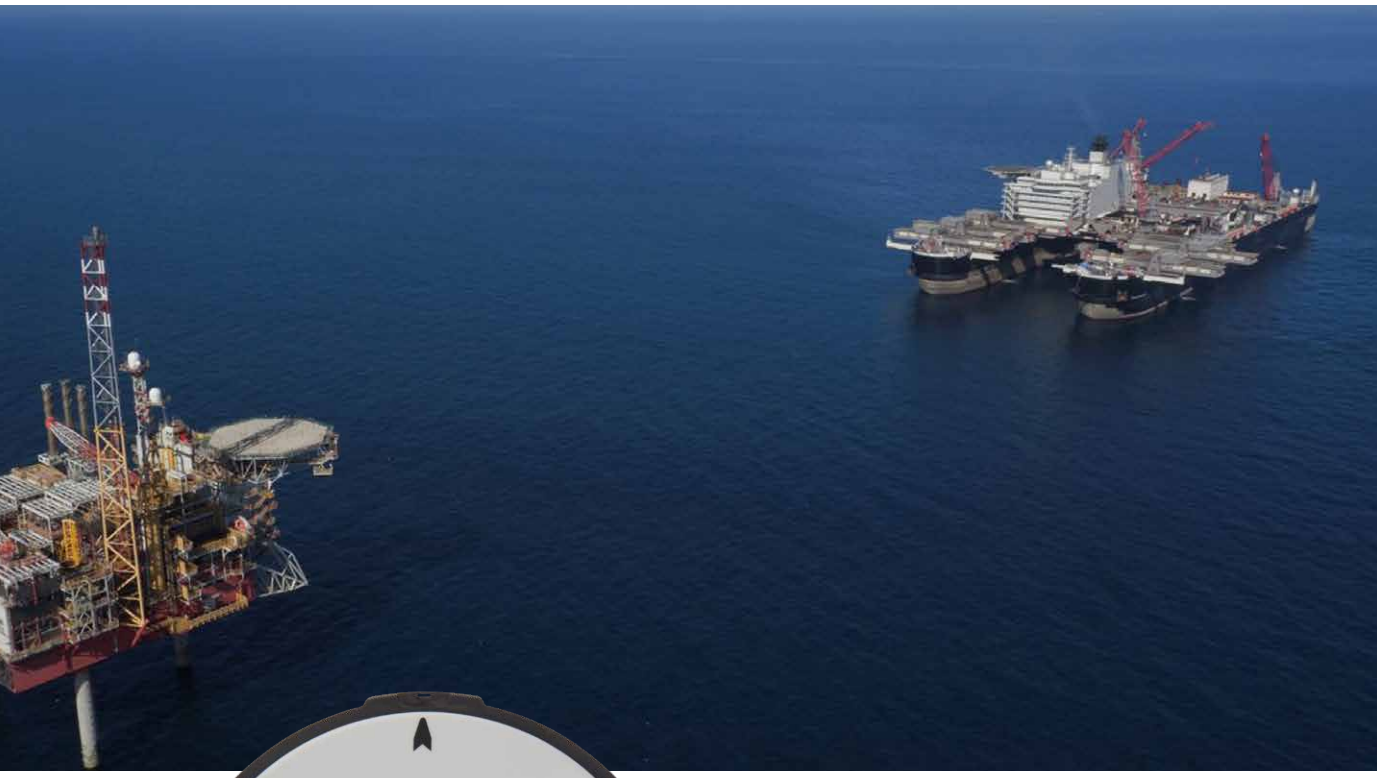
septentrio Antennas



Marine

Survey & GIS

Mapping

Automation

Precision Agriculture

KEY FEATURES

- **Multi-constellation tracking: GPS, Galileo, GLONASS, BeiDou, NavIC and QZSS**
- **Reception of Inmarsat L-Band signals compatible with correction services**
- **Superior multipath characteristics**
- **Ruggedized design**

PolaNt-x MF.v2 is a lightweight high-precision antenna for marine, geodetic, survey and machine control applications. This high-gain antenna incorporates low-noise amplifiers, enabling multi-frequency GNSS signal reception and are built into a rugged and environmentally sealed housing.

The PolaNt-x MF.v2 antennas have an optimised ground plane design, providing excellent multipath characteristics.

Enabling the tracking of the upper and lower (1539-1615 Mhz, 1164-1295 Mhz) GNSS signals, the PolaNt-x MF is ideal for high precision applications.

PolaNt-x MF.v2

FEATURES

Signals

L-Band (MSS)	
GPS	L1, L2, L5
GLONASS	L1, L2, L3
Beidou	B1, B2, B3
Galileo	E1, E5a, E5b, E6
SBAS	L1, L5
NavIC	L5
QZSS	L1, L2, L5, L6

Frequencies

1539 - 1615 Mhz

1164 - 1295 Mhz

Polarisation	RHCP
Axial Ratio	3 db Max

Radiation Coverage

Zenith	6.0 dBic
15° elevation	-2.0 dBic
10° elevation	-3.0 dBic
5° elevation	-4.0 dBic
Horizon	-5.0 dBic

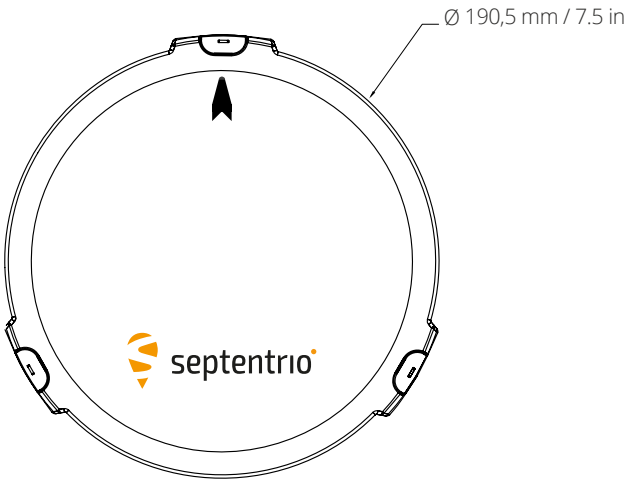
Amplifier

Gain	39 ± 2 dB
Noise Figure	2.6 dB max
Input Voltage	+3 to +15 VDC
Current	65mA (typ)
Impedance	50 Ω
VSWR	≤ 2.0:1

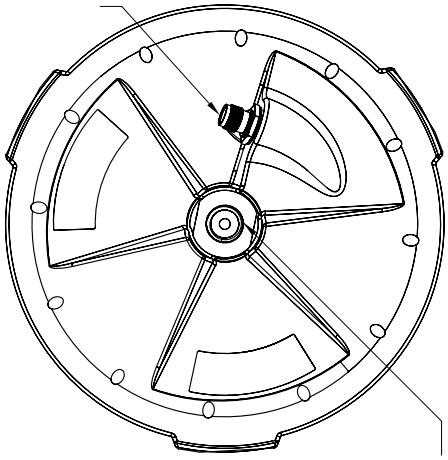
Physical and Environmental

Finish	Weatherproof polymer
Weight	450 g / 0.99 lbs
Diameter	190 mm / 7.50 in
Connector	TNC Female
Temperature	-50° C to + 70° C -58° F to 158° F
Certification	CE, RoHS and WEEE

DIMENSIONS

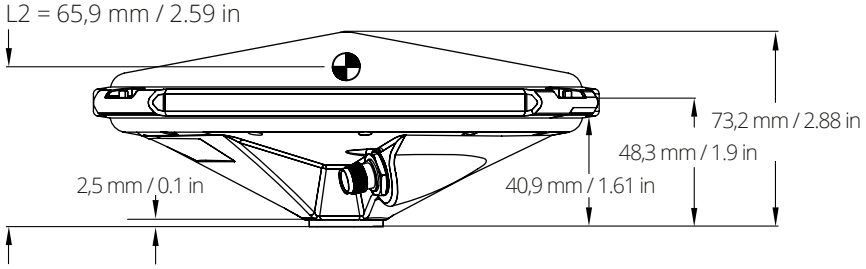


TNCF CONNECTOR



5/8–11 UNC–2B ADAPTER
PERMANENTLY INSTALLED

PHASE CENTER OFFSETS
L1 = 57,8 mm / 2.28 in
L2 = 65,9 mm / 2.59 in



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