

NEW T-SERIES PRODUCT OVERVIEW

ALL NEW INNOVATIVE

MARITIME SATELLITE TV ANTENNA SYSTEMS

Intellian Product Team

July 2022

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Intellian

ALL NEW INNOVATIVE MARITIME SATELLITE TV ANTENNA SYSTEMS

- ❖ Uninterrupted TV Connections while on any sea conditions with Higher RF performance
- ❖ Unlimited Azimuth Rotation for a Consistent Tracking Experience
- ❖ True Global Coverage without any Hardware Changes with new WorldView™ LNB
- ❖ Enhanced Stabilization for viewing TV even in extreme weather conditions
- ❖ Lower Cost of Ownership with Common Spare Parts & Kits
- ❖ Offering VSAT NX Matching Dome Solution



New TVRO Product Portfolio



t85N

T4-91BW3

- 85cm Dish
- 5 Cable Configuration
- Global Ku-band HD
- Circular & Linear
- Unlimited AZ
- Dual antenna installation



t100N

T4-101BW3

- 105cm Dish
- 5 Cable Configuration
- Global Ku-band HD
- Circular & Linear
- Unlimited AZ
- Dual antenna installation



s100N

T4-107BT3

- 105cm Dish
- 5 Cable Configuration
- Global Ku-band HD
- DIRECTV Ka-band HD
- Circular & Linear
- Unlimited AZ
- Dual antenna installation



t130N

T4-131BW3

- 125cm Dish
- 5 cable configuration
- Global Ku-band HD
- Circular & Linear
- Unlimited AZ
- Dual antenna installation



s130N

T4-137BT3

- 125cm Dish
- 5 cable configuration
- Global Ku-band HD
- DIRECTV Ka-band HD
- Circular & Linear
- Unlimited AZ
- Dual antenna installation



t150N

T4-151BW3

- 1.5m Dish
- 5 cable configuration
- Global Ku-band HD
- Circular & Linear
- Unlimited AZ
- Dual antenna installation

Available from October 2023

Available from October 2023



KEY FEATURES & PRODUCT DETAIL

Innovative All New Platform

- Engineered to Perfection
 - Reliable and established brand
 - Designed based on our flagship NX Series
 - With compact modular form to ensure simple installation and servicing
- Simple and compact form factor with
 - New Skew and WorldView™ LNB assembly
 - New Feeder design
 - Enhanced RF performance and conical scan type
- All In One Main Control Unit
 - Integrated single MCU across all New t-Series



New and Exclusive Technologies



Unlimited Rotating System

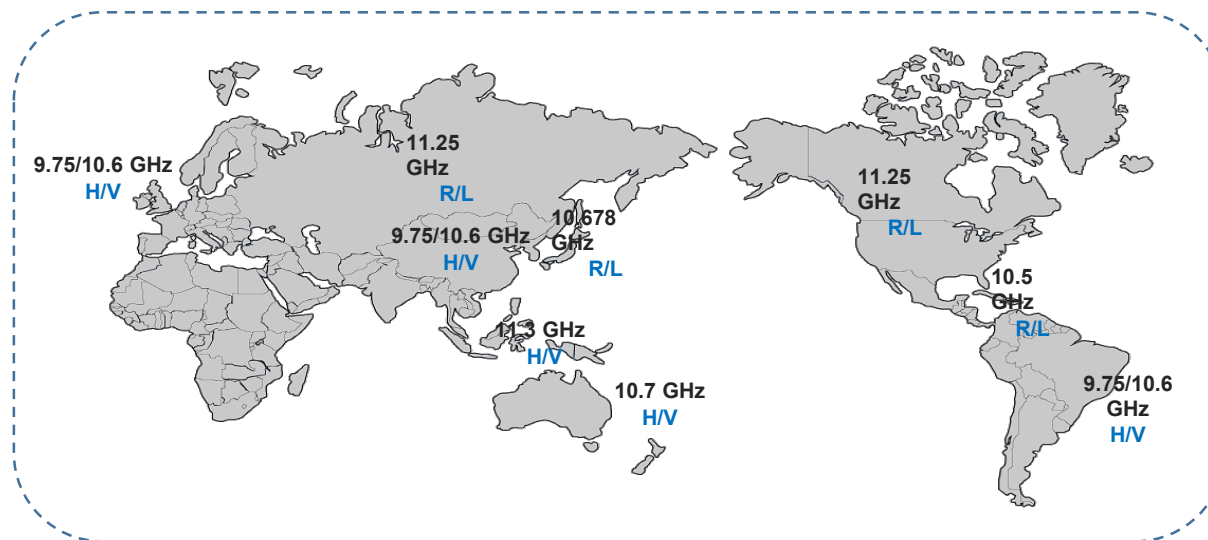
- TVRO Intelligent Market Solution
- Uninterrupted TV connections while on any sea conditions
- Unrivalled tracking speed
- Rotary joint & Slip ring Solution
- Provides consistent tracking without cable unwrap
- Prevents cable error on field



Unlimited Rotation

Truly Global Coverage WLNB

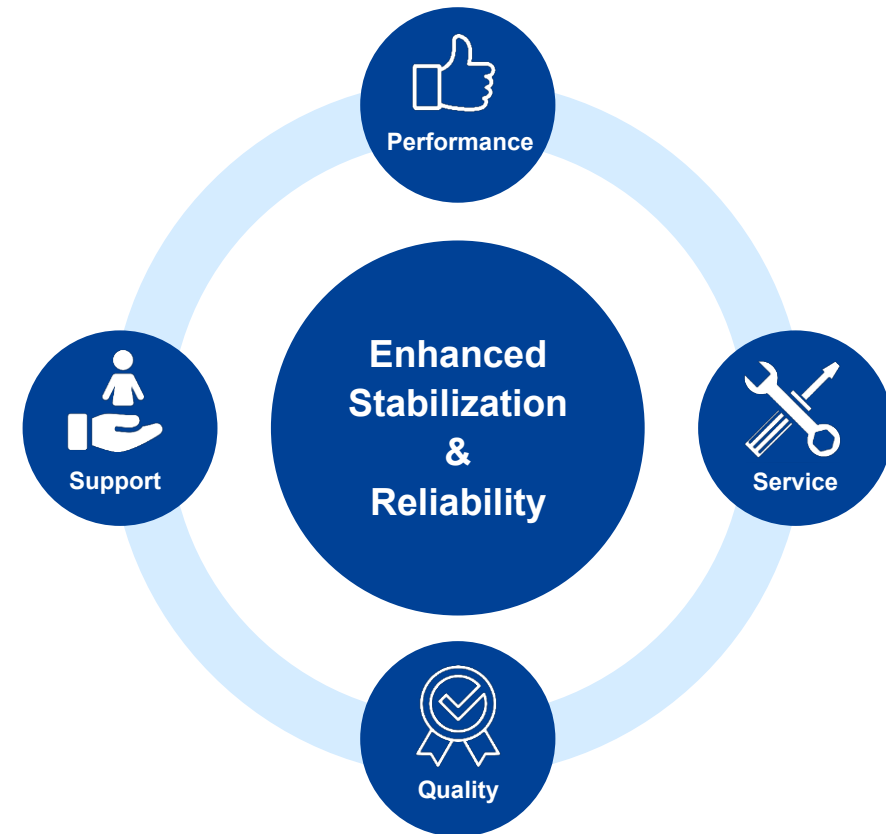
- Ideal for world cruising
- New 5 Port Quattro WorldView LNB
- One single WLNB for all global regions without HW change
- No need to keep stock of regional LNB types
- Use pre-existing distribution
- Quattro mode only (No more QSM required)



Single WLNB covers all regions

NX matching Stabilization and Reliability

- Enhanced stabilization for viewing satellite TV even in extreme weather conditions
- New AZ/EL/CL Motors
 - Single motor type for all 3-axis & across New t-Series
 - Stabilization and reliability guaranteed with NX
- New Fixed Sensor
 - No belts and no moving parts
 - Accurate vibration & shock detection
- Reliable Connectors
 - Simple and easy plug in/out type
 - Prevents accidental disconnection
 - Equal lock type connector as to NX VSAT system



Most Powerful New 1.5m TVRO Portfolio

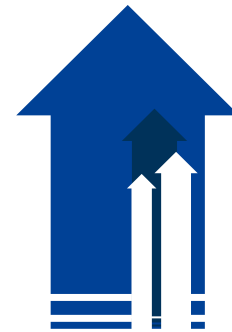
- Unrivaled Solution in Maritime TVRO Market
- Optimal and Superior RF performance
- Consistent Tracking without any interruption
- TV Reception available even far away from land
- New Selection for High-end Leisure



Unrivaled Solution

t150N

New 1.5m TVRO Portfolio



Min EIRP

38.6 dBW

Exceptional Rx Performance



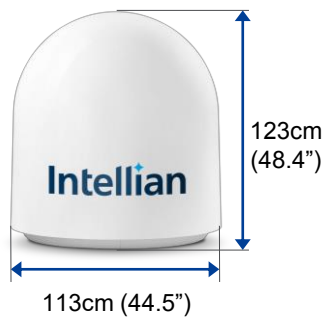
New Selection

High Leisure

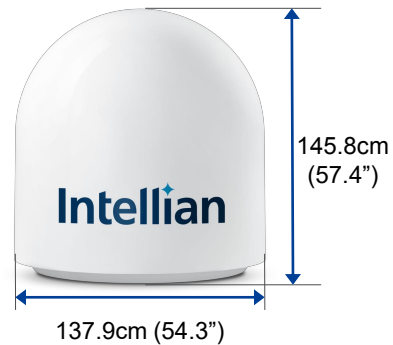
Super Yacht & Luxury boats

Matching Radome

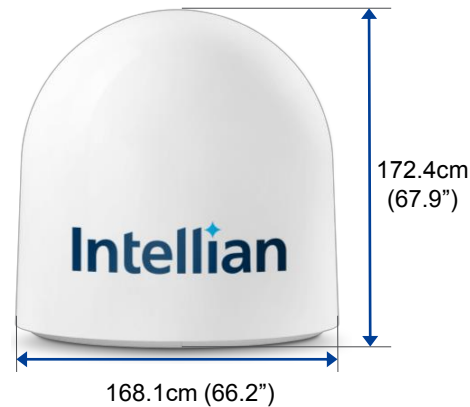
- NX matching radome as standard
- Frequency tuned radome minimizes RF signal loss
- Perfect choice for aesthetical yacht design
- VSAT bundle available for leisure market



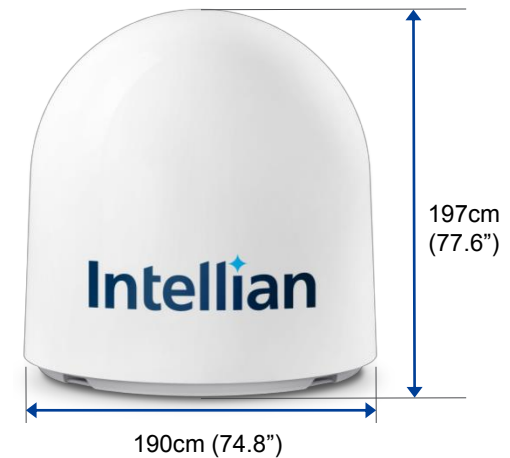
t85N & v85NX



t100N & v100NX



t130N & v130NX



t150N & v150NX

All New Upgraded Above Deck Unit



Below Deck Unit

- Web-Based All New Aptus NTV
- Dedicated M&C* port
- Easy, Simple, Optimized
- Intuitive Indicators
 - Power
 - Error
 - Tracking
- OLED Display
- Wi-Fi Enable
- 19" Rack-mount Type



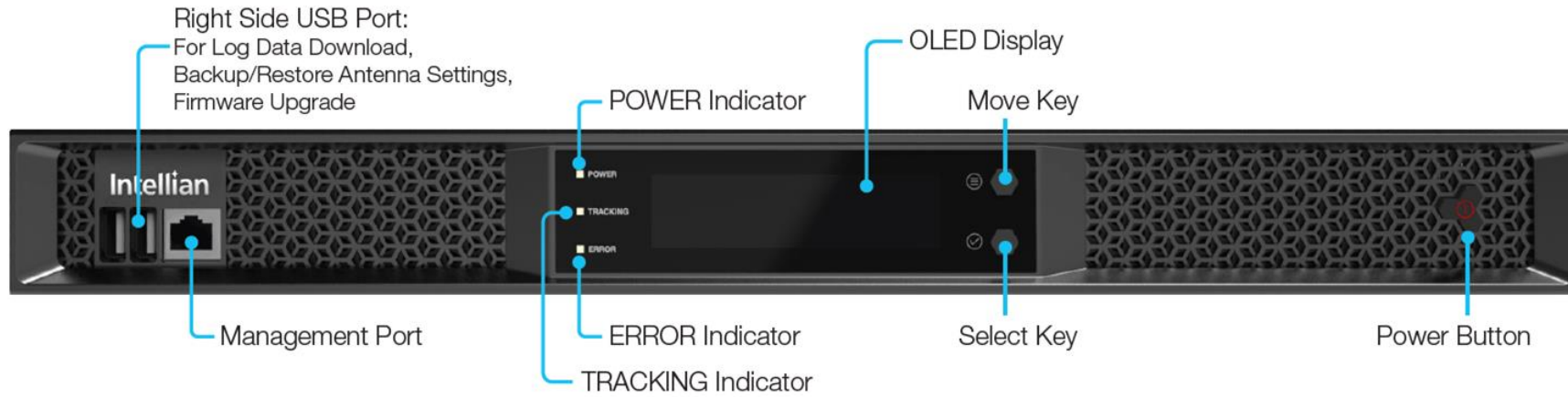
Part No. : BP-TB61

Item	Specification
Size (W x D x H)	431 mm x 411 mm x 44.3 mm
Weight	5.7 kg

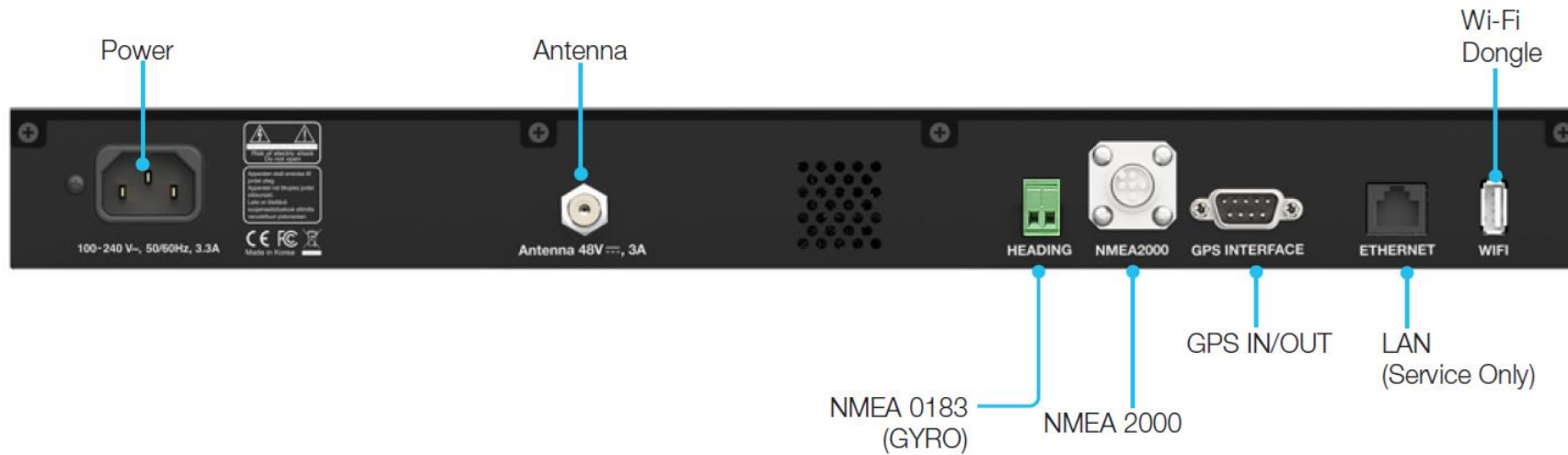
* M&C: Monitoring and Control

Below Deck Unit

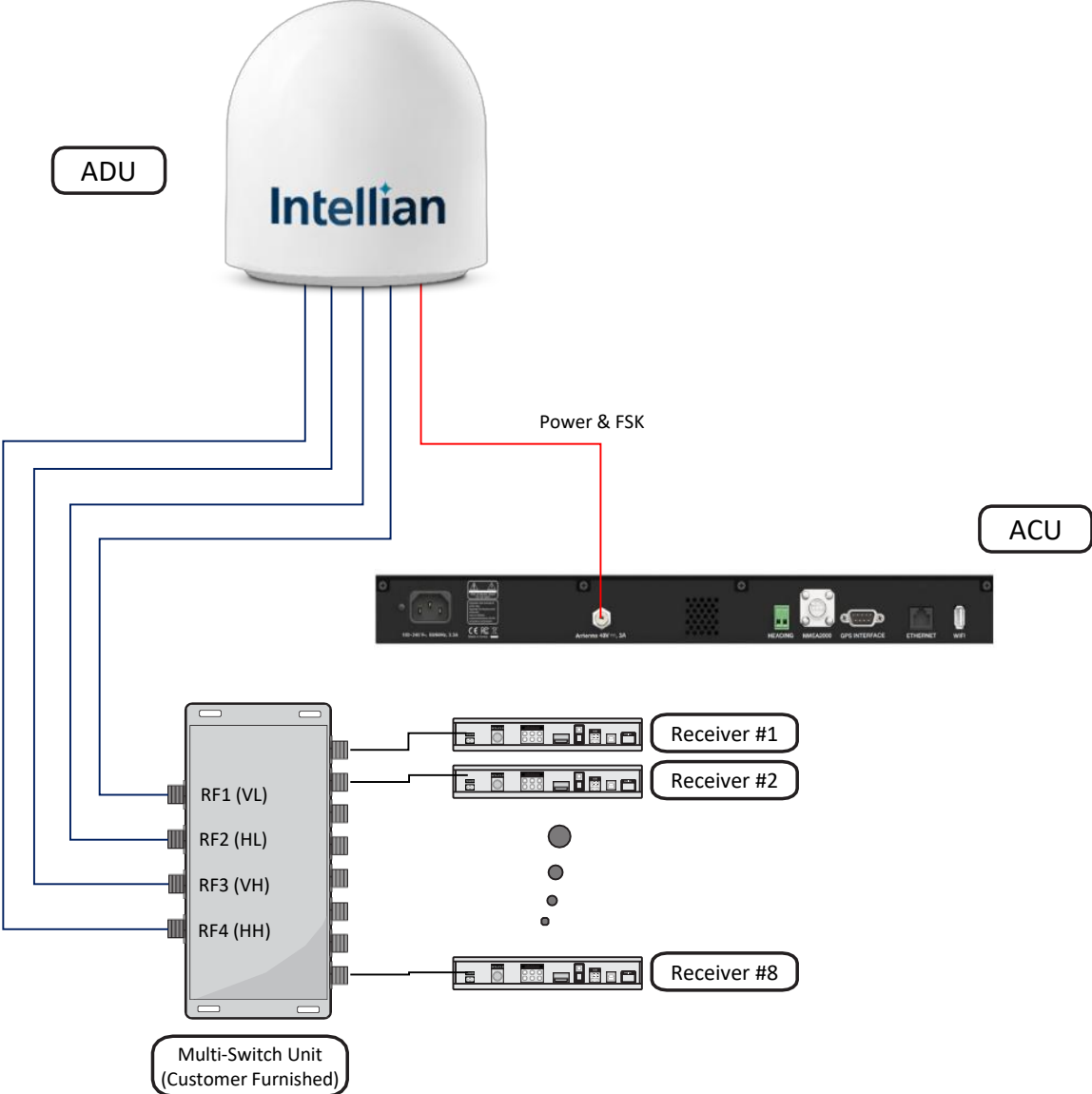
Front



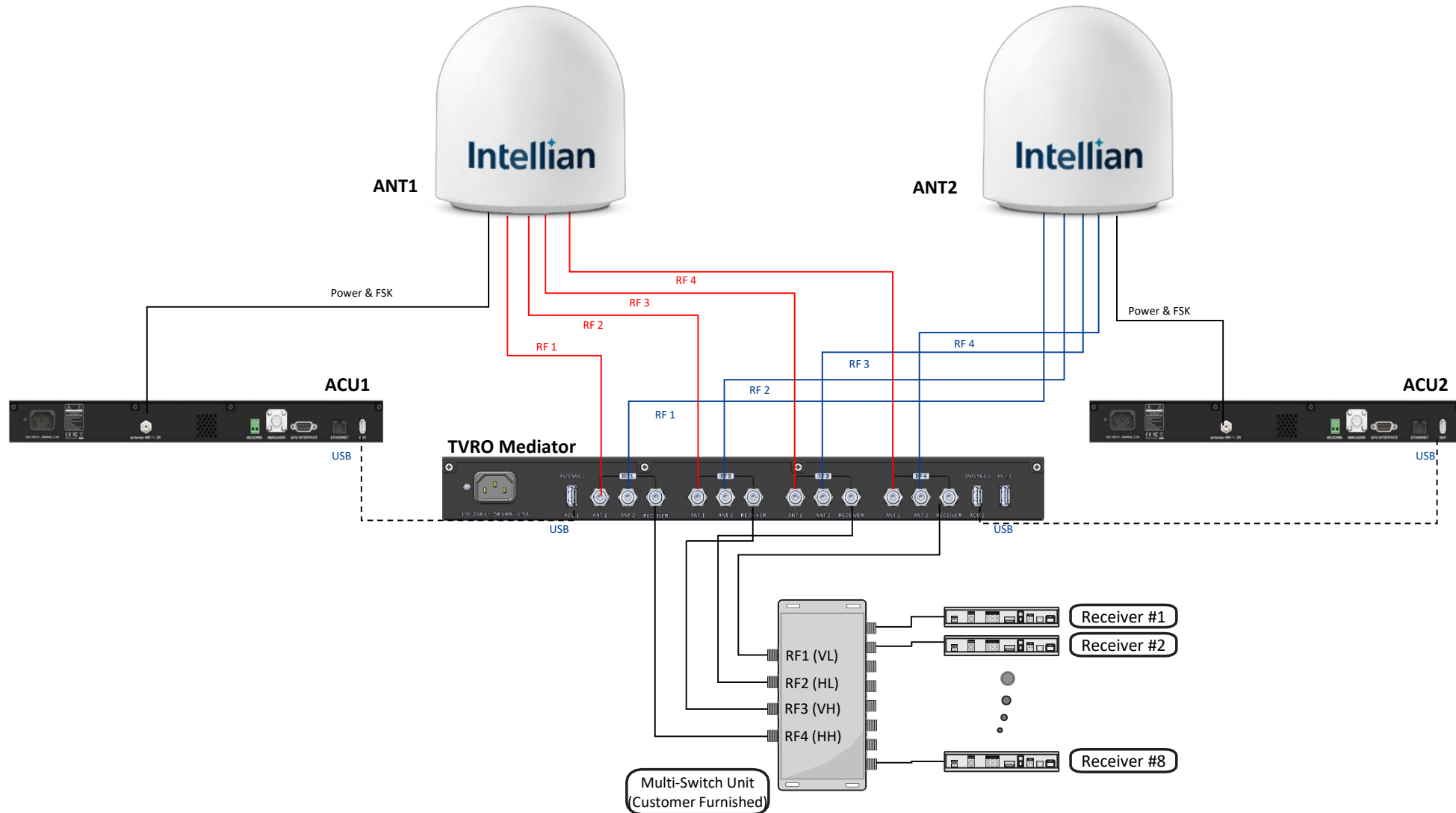
Rear

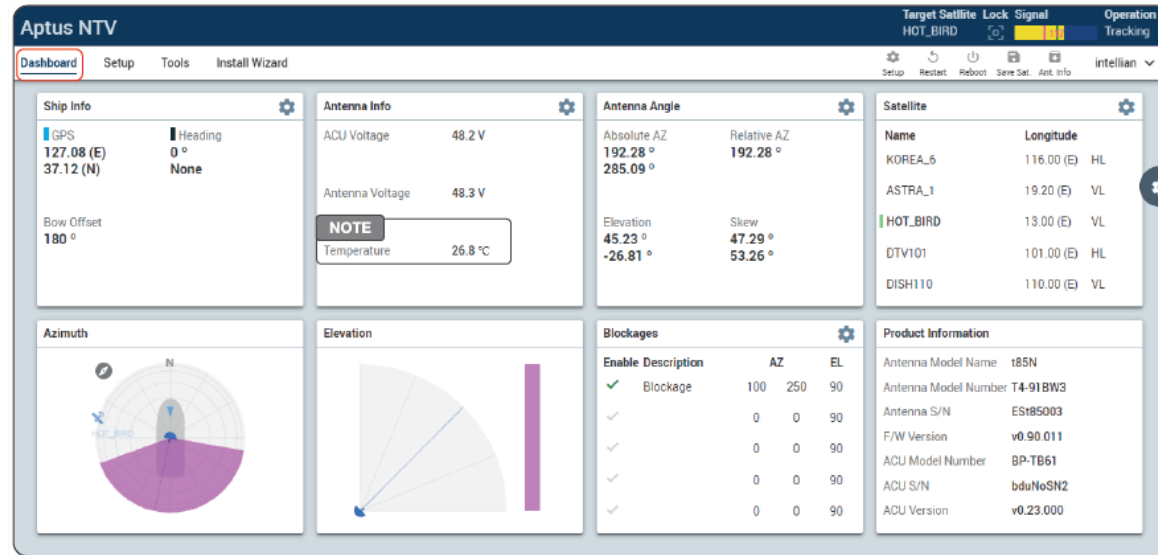


Single Antenna System Configuration



Dual Antenna System Configuration





M&C Port

- Intuitive User Interface
 - New design and customized dashboard
 - Responsive web design presents optimal view at any platform
 - Embedded web application
- Display panel and buttons for antenna M&C

Pre-programmable Global Satellite Library

- Simple & Easy
- Truly Global Coverage
- Users can program the desired TV satellite and can also upload the pre-programmed information

LIBRARY

Library File
Select Library file to upload

Download Library File

Satellite List
Filter: All

Name	Longitude	Band	LNB Local	Skew Offset	Polarity	
DTV_101	101.00 (W)	Ku	11,250	0	LHCP	<input type="button" value="edit"/>
IS30_DLA	95.00 (W)	Ku	10,500	0	LHCP	<input type="button" value="edit"/>
DISH_62	61.50 (W)	Ku	11,250	0	RHCP	<input type="button" value="edit"/>
DISH_72	72.70 (W)	Ku	11,250	0	RHCP	<input type="button" value="edit"/>
DISH_77	77.00 (W)	Ku	11,250	0	RHCP	<input type="button" value="edit"/>

Pre-programmed
Satellite Library

Satellite Library

Satellite Information

Satellite Name:

Longitude(°): EAST

Polarity:

Band:

Universal: Disable Enable

Local Frequency(MHz):

Skew Offset(°):

Inclined Search: Off On

Inclined Angle:

Primary Information

Verify Type:

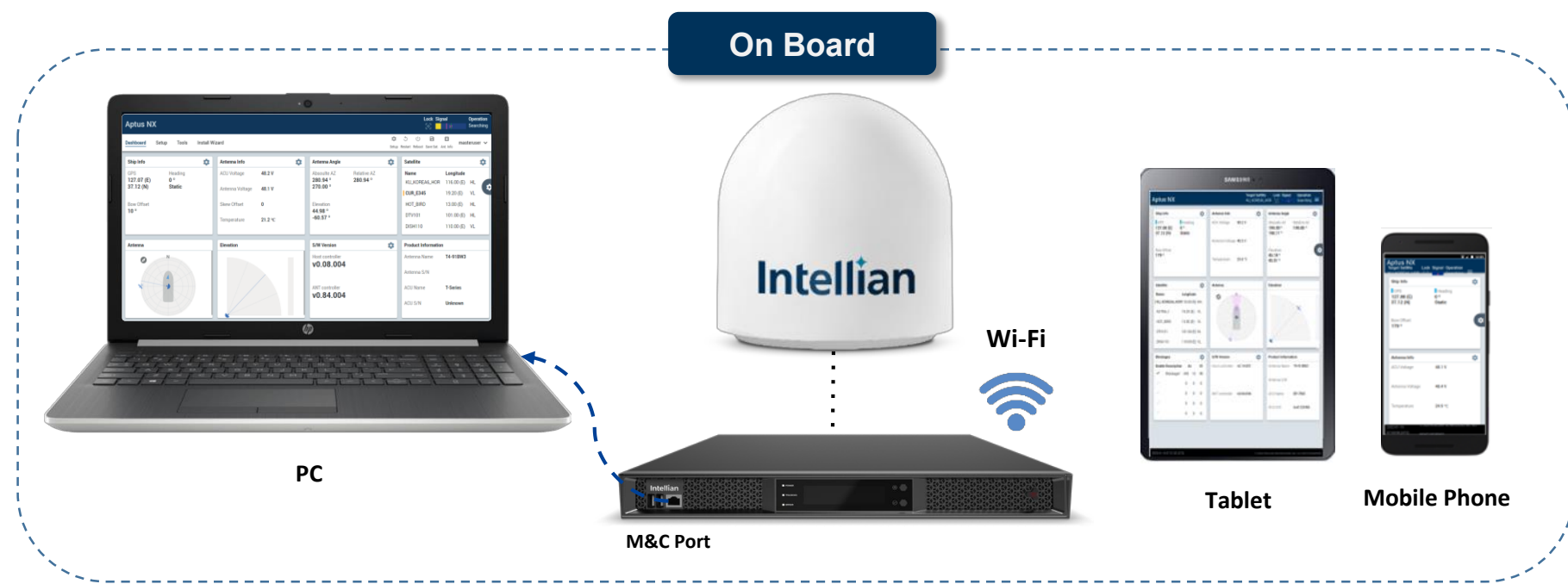
NID:

Frequency(MHz):

Programmable
Satellite Library

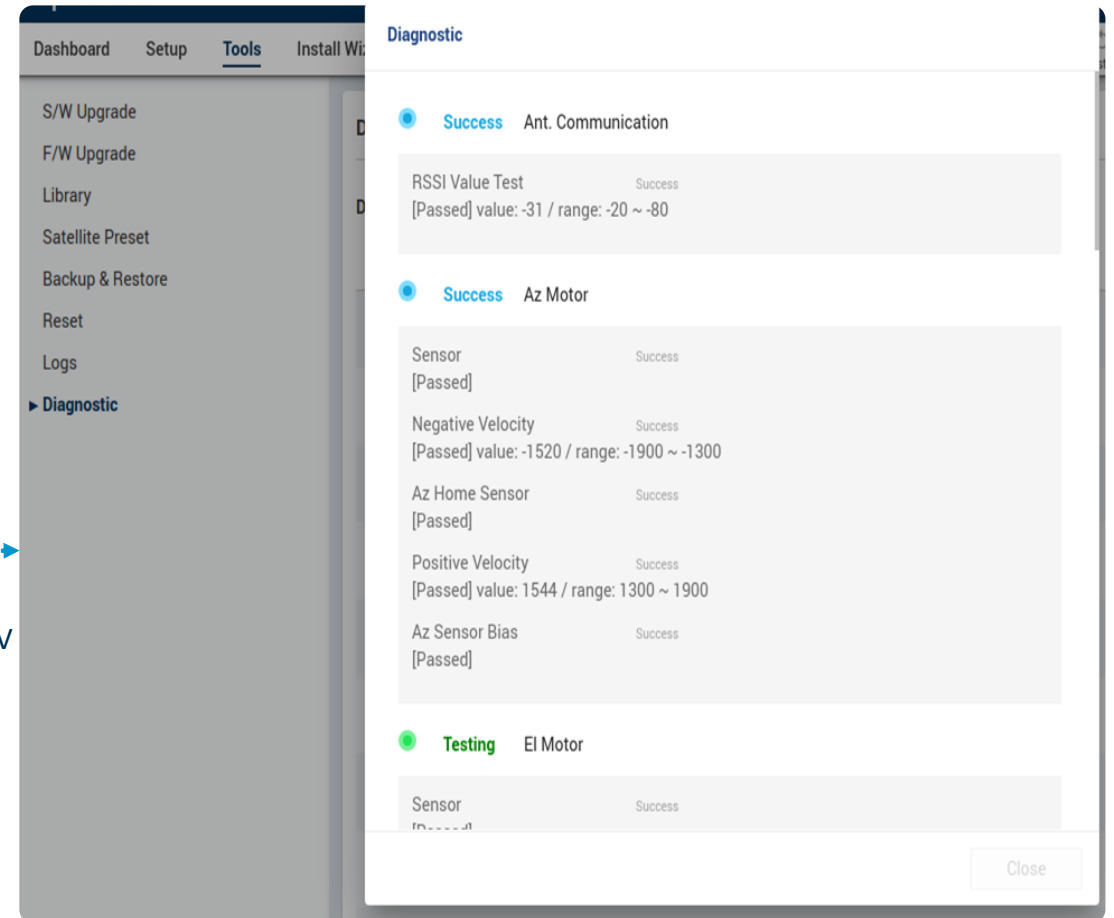
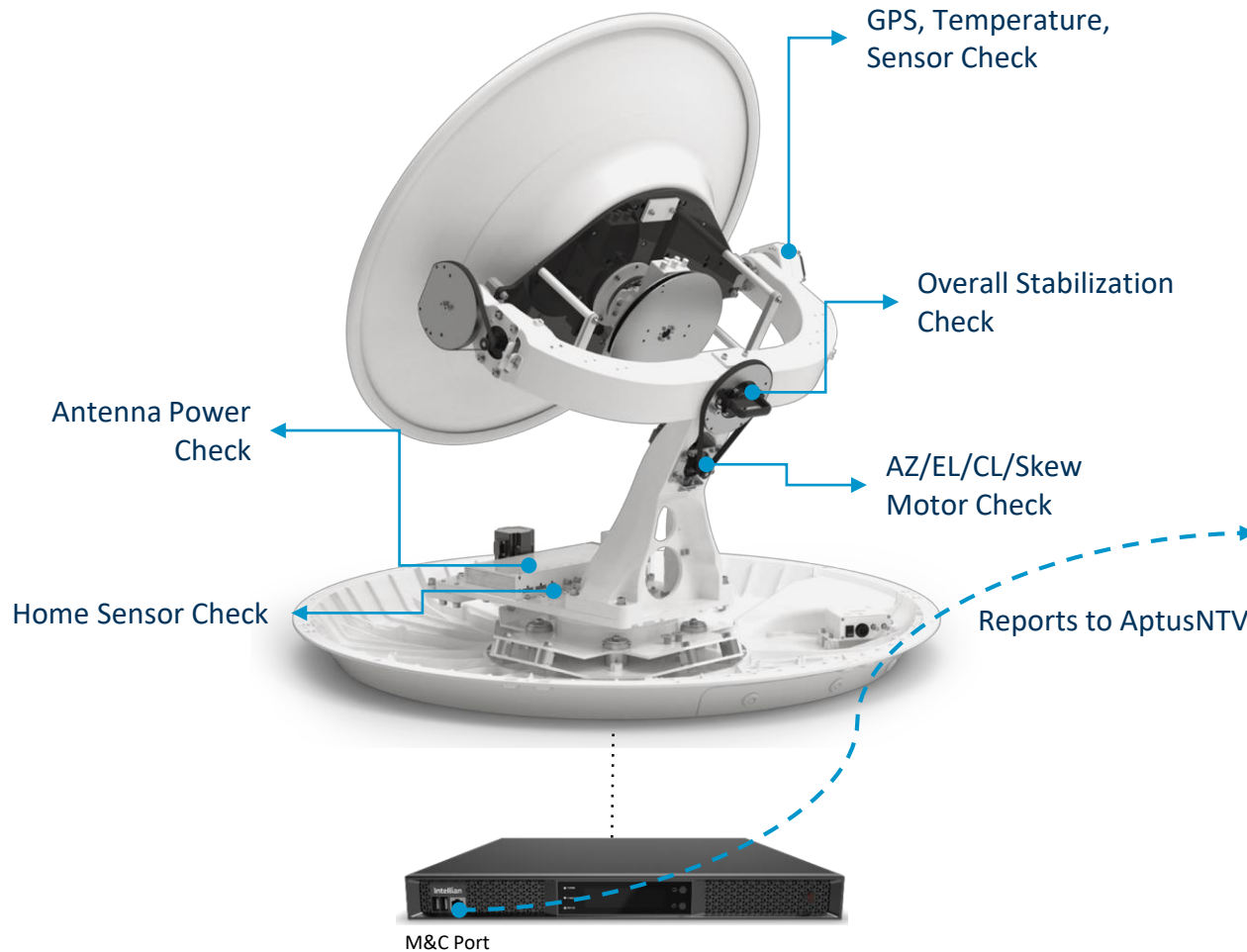
New AptusNTV M&C Platform

- Wi-Fi connectivity enable
- Antenna Monitor & Control via Wi-Fi access
- Same experience on PC and Mobile Device



Accurate & Enhanced Diagnosis

- Easy root cause inspection and maintenance



- t85N

Item	t85N
RX Frequency	10.7 ~ 12.75 GHz, Ku-Band
RX Gain	> 38.9 dBi @ 11.7 GHz (w/o Radome)
Min. EIRP	43.0 dBW
Feed Assembly	Ring focus feed w/Sub-reflector
LNB Type	Ku-Band Worldwide Programmable (5 ports)
Polarization	Linear & Circular

- **t100N**

Item	t100N
RX Frequency	10.7 ~ 12.75 GHz, Ku-Band
RX Gain	> 40.7 dBi @ 11.7 GHz (w/o Radome)
Min. EIRP	41.5 dBW
Feed Assembly	Ring focus feed w/Sub-reflector
LNB Type	Ku-Band Worldwide Programmable (5 ports)
Polarization	Linear & Circular

- **t130N**

Item	t130N
RX Frequency	10.7 ~ 12.75 GHz, Ku-Band
RX Gain	> 42.2 dBi @ 11.7 GHz (w/o Radome)
Min. EIRP	40.0 dBW
Feed Assembly	Ring focus feed w/Sub-reflector
LNB Type	Ku-Band Worldwide Programmable (5 ports)
Polarization	Linear & Circular

- **t150N**

Item	t150N
RX Frequency	10.7 ~ 12.75 GHz, Ku-Band
RX Gain	> 43.6 dBi @ 11.7 GHz (w/o Radome)
Min. EIRP	38.6 dBW
Feed Assembly	Ring focus feed w/Sub-reflector
LNB Type	Ku-Band Worldwide Programmable (5 ports)
Polarization	Linear & Circular

THANK YOU