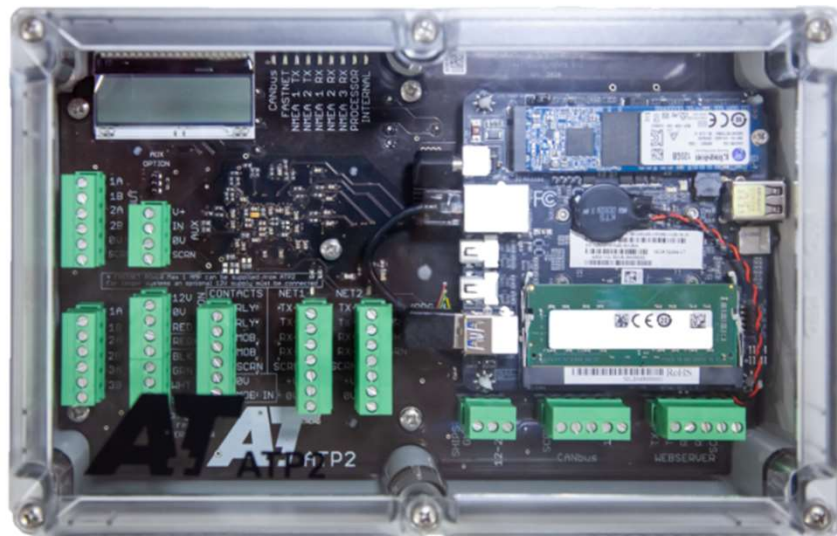


## ATP2

The first performance instrument system based on an ethernet network



A+T 5 way marinated  
Ethernet Switch



- Single ethernet cable through the yacht links all sensors and displays which minimises wiring
- No practical network length limits
- Very powerful processor – instrument calculations running at 100Hz
- Web-interface for all commissioning, calibration & diagnostics
- 12-24V power

The ATP2 system combines the ease of use of a modern web-server based system with performance beyond that of existing performance systems such as WTP2 and WTP3.

- Fast boot time, less than 20 seconds from power on to full function
- Integral LCD display of IP address & status, comprehensive diagnostic LEDs
- Webserver connection to any computer for all settings, configuration and monitoring of internal computations. Allows A+T to support over Team viewer
- No limit to number of displays that can be connected on system and no practical length limitation on cabling
- Supports any number of external channels from Expedition
- Integral heel measurement allows for heel compensation of wind and leeway model
- Mast motion correction from internal rate gyros
- Enhanced wind calibration tables & well documented computation schema
- Enhanced current calculations
- Unlimited Loadcell and analogue channels; individually labelled and configured
- Custom additions and suggestions welcome

### Warranty and Support

- 3-year warranty, see details on A+T website
- 24/7 support



# INSTRUMENTS

## ATP2 PROCESSOR

### Technical

The heart of the system is the ATP2 running at 2.6 GHz, 128GB of solid state drive & 4GB RAM

- Single Ethernet cable runs through yacht. Power on this cable runs sensor interfaces
- A+T 5 way switch used to link all network branches and to add additional power (12 – 24V) where needed for displays
- Inputs/outputs built into ATP2:-
  - 3 Serial/NMEA0183 input and 2 output (selectable baud rates)
  - 1 Analogue channels with 5V & 12V reference supply
  - 2 separate alarm relays (general and MOB)
  - 1 N2k compatible for sensor input and data output
  - 1 Fastnet connection to support existing B&G displays and sensors
  - 1 Ethernet connection for external computer
  - 2 Ethernet connection for A+T BUS
  - Integral heel, pitch, rate gyros and barometric pressure
- All configuration and viewing of internal calculations by webserver
- Separate interface units are connected where convenient:-
  - Speed/Temp & Depth (170kHz) (adds a further NMEA0183 input)
  - Speed/Temp (adds a further NMEA0183 input)
  - Wind
  - Analogue 4 x 0-12V inputs plus 1 x 0-20mA
  - Loadcell (also adds a further analogue input)

**AT** INSTRUMENTS

Speed/Current

Position/Attitude

Depth

Wind

Other Data

Display

Settings/Diagnostics

Wind

Input Selection

Wind Input 1

Wind Input 2

Wind Calculations

UT16:05:5426 Feb 2021

Local17:05:5426 Feb 2021

### Wind Input 1

Sensor Name:Main Mast

Sensor Source:NMEA0183

NMEA0183 ChannelATP Port 1

NMEA0183 Settings

Raw MAWS51.61 kt

Calibration Factor1.04

Mast MotionMAWSn/a53.67 kt

Raw MAWA-68.20°

Angle Offset-2.0°

Mast RotationMAWAAdvancedn/an/a-70.20°

Heel0.2°

Heel Correction0.00 kt

Apply Correction?

CAWS53.67 kt

Heel Correction0.00°

Apply Correction?

CAWA-70.20°

OK

Cancel

Apply



INSTRUMENTS

# ATP2 PROCESSOR

