



# **TENDO DTR2**

***Data collection oriented Tendo station***

- ✓ **Tendo**
  - Optimized for Tendo
  - Integrated display driver
  - Build in license dongle
- ✓ **Trex ready**
- ✓ **Computer**
  - SSD storage
  - 16 GB RAM
  - Multiple IO options
- ✓ **Short 1U 19inch casing**
- ✓ **Integrated UHF radio**
  - Timeslotted transmission
  - Tendo programmable
  - 440-480 MHz
- ✓ **Thermally validated**



This Tendo station is part of our environmental ecosystem. The 19" receiver is optimized to run Tendo for light load applications with a focus on data collection. It has an integrated UHF radio and dual ethernet port for TREX connectivity. It handles the logging, processing and visualisation of the environmental data on your project.

Tendo is our cost effective **metocean monitoring and processing software**. To bring this solution as easy as possible to your ship or office environment we designed the TENDO DTR product. It is based on a windows 10 computer that is **optimized for Tendo performance**. To integrate the TENDO DTR in your setup, we provided two serial ports and two ethernet ports. In any setup, one can enjoy **multi-monitor** easy drag-n-drop visualizations, giving instant insight into your data. The TENDO DTR supports up to three monitors that can be connected.

The TENDO DTR has an **SQL database** installed on a solid-state disk to offer you the performance needed on your project.

The TENDO DTR has an **integrated UHF radio**. It can receive data directly from our TARI or SMART buoy platform. To make it easy to use we fully integrated the radio functionality, so you don't need any third party software or cabling to configure the radio. Our Ecosystem supports **timeslotted access** to the UHF ether. Multiple DTR stations can transmit data over the **same UHF frequency** as our TARI product range without interfering each other.

The TENDO DTR unit is equipped with an **alphanumeric display** that can be used to visualize key data in a monitorless application. Simply drag and drop the data feeds you want to the display tab in the explorer.

Because this unit is fully part of our environmental ecosystem, it perfectly integrates our **TREX dataexchange solution**. This gives you the same easy data access and transfer you are used to from our regular TENDO product

The product comes in a 19" rackmountable solution. It has a solid-state drive for storage and 16 GB RAM. The design has been **thermally validated** in our climate chamber to give you the performance needed to get the job done.

#### TENDO License

- License dongle installed inside
- DataExchange ready

#### Computer

- Intel Pentium G4560
- 16GB RAM
- 500GB SSD

#### UHF modem

- 440-480 MHz
- Max power 1W

#### Environmental

- Operational temperature 0°C +45°C
- IP20

#### Connectors

- 2 x RJ45 (10/100/1000 Mbps ETHERNET)
- 1 x VGA (1920 x 1200 @ 60Hz)
- 1 x DVI-D (1920 x 1200 @ 60 Hz)
- 1 x Display port (4096 x 2160 @ 60Hz)
- 4 x USB 2.0
- 4 x USB 3.0
- 2 x DSUB 9P (SERIAL PORT)
- 1 X TNC-FEMALE (UHF CONNECTOR)
- 1 X C14 (POWER)

#### Power supply

- Input voltage 90-264 VAC
- Input frequency 47 - 63 Hz
- Max current 3A@115V input

#### Mechanical

- 482.6mm x 243mm x 43.6mm
- Weight 2910 gram