

Aeon Matrix Introduces Yardian Data Hub



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Aeon Matrix provides weather- and sensor-based smart irrigation and control solutions. We're committed to protecting our planet and improving quality of life by creating innovative solutions that save water and energy.

Product Description

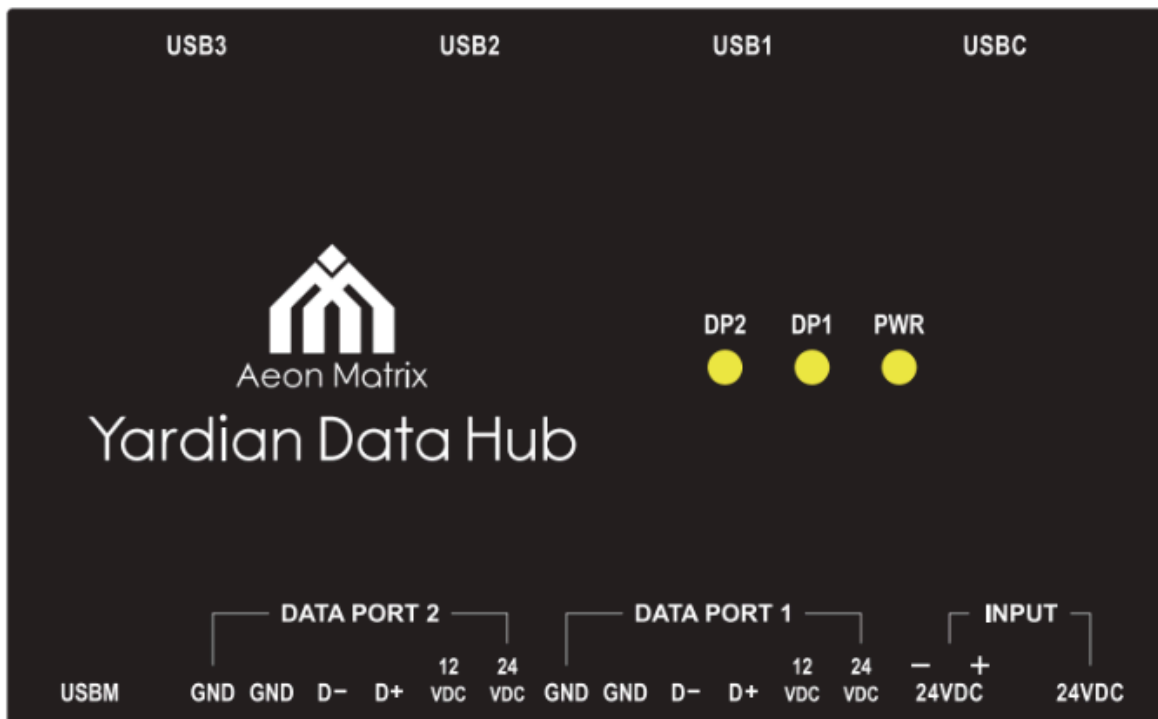
Introducing the Yardian Data Hub, your go-to solution for hassle-free sensor data management. Designed for simplicity, this hub offers seamless connectivity with RS-485 and USB interfaces, effortlessly gathering data from various sources. Flexible power supply options of 12VDC or 24VDC for RS485 ensure uninterrupted operation for your sensors. Plus, included is an 8GB USB drive for secure on-premise storage of all collected data. Moreover, the Yardian Data Hub seamlessly communicates with other Yardian products, allowing you to create comprehensive control solutions tailored to any environment. Combining the Yardian Max multifunctional smart controller and the Yardian Data Hub allows you to quickly deploy a complete sensing and control solution for numerous applications, eliminating the need for complicated and costly PLC cabinets. Simplify your setup and elevate your control with the Yardian Data Hub.

Product Benefits

- Simplifies sensor data management for hassle-free operation. Can be installed using screws or DIN rail TS-35/7.5mm
- Offers seamless connectivity with RS-485 and USB interfaces
- Includes an 8GB USB drive for secure on-premise storage of collected data.
- Built-in isolation and surge protection protect the controller from being affected by lightning strikes and surges.
- Indoor use.
Optional outdoor enclosure available
- Optional 24VDC Power supply available

Yardian Data Hub Interface

- **USB1 ~ USB3:** USB 2.0 Type-A ports for sensors and the 8GB USB drive
- **USBC:** USB 2.0 Type-C port for connecting Yardian accessories
- **USBM:** USB 2.0 Type-B port for connecting the Yardian controller
- **DATA PORT 1 and DATA PORT 2:** RS485 ports for connecting sensors
 - 2x GND ports
 - D- (A)
 - D+ (B)
 - 12VDC
 - 24VDC
- **INPUT:** 24VDC power input ports (suggest power supply > 48W)
 - Terminal block or
 - DC jack
- **PWR:** LED status indicates 24VDC power supply availability.
- **DP1:** LED status indicates DATA PORT 1 data transmission
- **DP2:** LED status indicates DATA PORT 2 data transmission



Yardian Data Hub Technical Specifications

Interfaces

- 3x USB 2.0 Type-A ports
- 2x RS485 ports, each has
 - 2x GND
 - D- (A)
 - D+ (B)
 - 12VDC
 - 24VDC
- 1x USB 2.0 Type-C port (USBC) for connecting Yardian accessories
- 1x USB 2.0 Type-B port (USBM) for connecting the Yardian controller
- 24VDC power input ports
 - Terminal block or
 - DC jack

Operating Temperature

- -22°F to 140°F (-30°C to 60°C)

Warranty

- 2-year limited warranty

Design

- Can be installed using screws or DIN Rail TS-35/7.5mm
- Indoor use with optional outdoor enclosure
- Optional 24VDC power supply available to fit the outdoor enclosure

Dimensions and Weight

- 5.7" L x 3.7" W x 1.57" H
(14.5cm x 9.4cm x 4cm)
- 0.44lbs (0.2Kg)

Data Hub Power

- Input: 24VDC/2A
- Output: 24VDC/1A, 12VDC/1A
- USB 5V/1A

