

Synchronous Serial to Ethernet Converter

Features



- TDM to IP conversion
- Power over Ethernet (PoE) or Serial
- HDLC Data Sharing
- Built in Encryption
- Bridge HDLC lines over ethernet
- SEL Mirrored Bits Supported

Sunhillo's Asbury delivers a Synchronous Serial to Ethernet adapter for the industrial, financial, telecom, and government spaces. The Asbury features full speed HDLC, BISYNC, ASYNC, and raw mode transparent to process data in multiple ways.

The Asbury product replaces expensive and outdated Serial / TDM lines by converting that data to take advantage of cost effective Ethernet networks. Beyond TDM lines, the Asbury is capable of supporting the conversion of a wide range of SYNC and ASYNC serial protocols to 10/100 Ethernet.

HARDWARE

Featuring a male DB-25 connector on one end and an RJ45 connection on the opposite side for LAN, the Asbury is designed to be connected in-line with existing products.

SOFTWARE

Featuring built in encryption hardware, the Asbury securely sends critical and private data using the optional data encryption plug-in.

An intuitive web based GUI simplifies the user experience making setup and operations user friendly.

DESIGN

Asbury takes advantage of innovations from designs used in other Sunhillo products to give the customer an advanced highly reliable design.

As the Asbury is an in-line component it can be utilized in a redundant form factor when installed using a DB-25 patch panel.

Utilizing two Asbury's will allow serial devices to connect over ethernet transparently,

maintaining operations while eliminating high cost TDM leased lines.

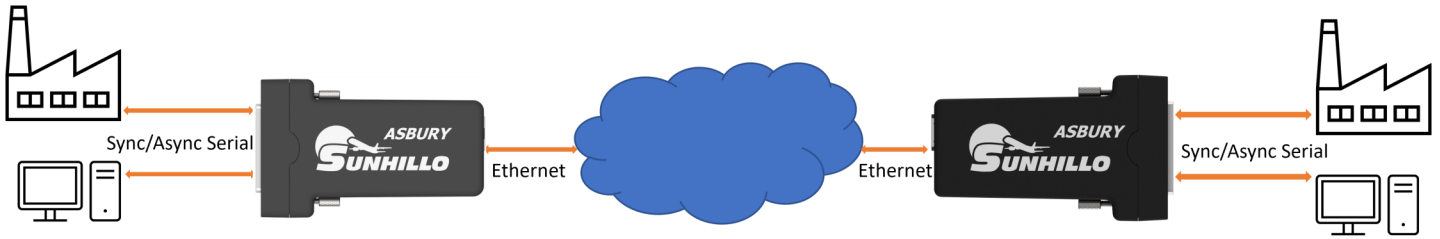
UTILITIES & TELECOMMUNICATIONS

The Asbury has been successfully tested in a power utility environment with a SEL Relay in a point to point Carrier Grade Network with a total combined delay of 36 milliseconds.

Applications using a telecom assisted relaying scheme include:

- Breaker Failure
- Direct Transfer Trip Signals (DTT)
- Permissive Overreaching Traffic Trip (POTT)

CONOPS



Technical Specifications

Modes

- Async, BiSync, Raw, HDLC

Power Requirements

- 3.1W Max

Weight

- 90g (3.17oz)

Dimensions

- Height: 2.44in / 61.98mm
- Width: 4.04in / 102.59mm
- Depth: 0.97in / 24.56mm

MTBF

- 4,644,678 hours at 30°C

Certifications and Compliance

- RoHS2 Directive 2011/65/EU as amended by (EU) 2015/863
- REACH
- FCC Part 15, Class A
- UL/CSA/IEC/EN 62368-1
- ETL for Canada and US, 3023031
- FAA-G-2100H: Power
- UKCA Certification

