



Since 1980, **Zeefax** has built a reputation on its ability to provide a reliable and excellent electrical engineering service to the Power and Process sectors worldwide, and today has the technical expertise and capability to specify, engineer, manufacture and deliver a wide range of supervisory and condition monitoring products and systems.

### 35954U SNet to USB Interface

Fully compatible with the Isolated Measurement Pod range, the **35954U** SNet to USB module is designed to allow users of modern processor technology, including Laptops, to take full advantage of the robust and well proven IMP data acquisition technology.

For established SNet users, the **35954U** eliminates the need to replace existing IMPs and SNet networks, providing a quick and easy upgrade path, without the cost and inconvenience of removing and replacing the field instrumentation and IMP system.



### Use your IMPs with your Laptop

The **35954U** Interface is operable with any host computer – including a Laptop - which is fitted with a USB compatible interface, and supports up to 50 IMPs on a single SNet network. Being a bus type device, multiple interfaces can be attached to a single host computer, providing the capability to combine data from multiple SNet networks concurrently.

The **35954U** Interface provides all the hardware, timing control, error checking and data protocol necessary for reliable communication between the host computer and the SNet system.

It is fully supported by two software product from the **Zeefax** stable - IMPView® and the latest version of PowerPAC™ - both of which can provide programming and control of the multiple SNet networks.

## Product Views

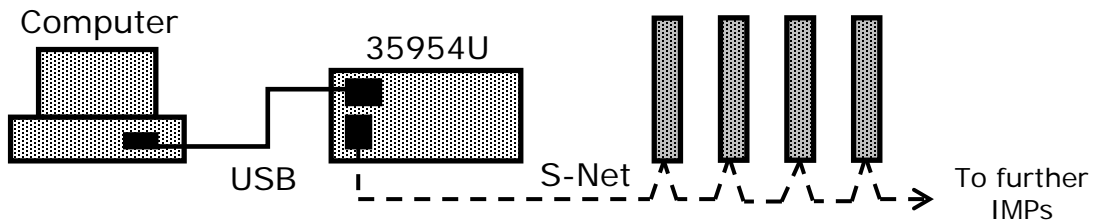


The front panel supports the USB type B connector (USBv2.0) and the 4 status LEDs.



The rear panel supports two 9 pin DIN connectors for power and communications.

## Installation



Connection between the computer and the **35954U** is by USB cable. From that point, the wiring to the IMP network conforms exactly to the S-Net requirements for cable type and length. As with the S-Net, the **35954U** may be positioned at the end of the cable, or centrally to meet physical needs.

## Specification

### Inputs:

Power requirement: 24-48Vdc External Power Supply  
Power connection: Panel mounted 9 pin D sub plug

### Outputs:

Output: SNET IMP power supply - serial communication network.  
Output connection: Panel mounted 9 pin D sub socket.  
Panel mounted USB "B" connection

### Network Cable Details:

Cable Spec: Screened single pair cable 100Ohm impedance.  
12-24AWG depending on network length / number of IMPs  
Maximum No IMPs: 50

### Operating Conditions :

Temperature range: -4 to +122°F (-20 to +50°C)  
Relative humidity: 32 to 104°F (0 to 40°C) <90%

### Mechanical:

Casing: Aluminum sealed to IP55  
Size (w x d x h) 6.7 x 4.6 x 1.4" (170 x 116 x 36mm)  
Weight: 4.4 lbs (2kg)

### Accessories:

- USB Cable
- SNET network terminator on interface unit
- 24-48VDC power supply (not included)

Zeefax inc.

6049 Keller's Church Road, Pipersville, PA 18947  
Tel: +1 215 230 5500  
Email: ussales@zeefax.com

Zeefax Limited

320 King Street, London, W6 ORR, ENGLAND  
Tel: +44(0) 20 8748 7808  
Email: uksales@zeefax.com