



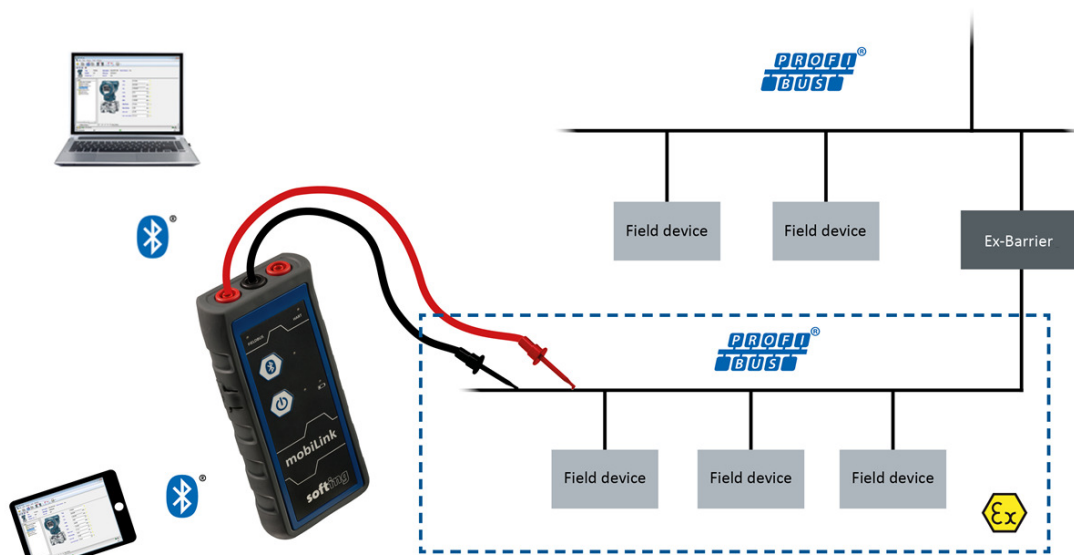
**MOBI-PA**  
 mobiLink Modem for  
 Profibus PA and  
 HART®



Perform Profibus PA and HART communications in hazardous areas using Bluetooth interface. USB interface for non-hazardous areas.

**Features:**

- Compliant Profibus PA Host
- Compliant HART Master
- Suitable for Hazardous areas, Zone 1
- Rugged enclosure to IP54 standard
- USB interface (safe area only)
- Bluetooth interface
- Battery powered, over 45 hours of continuous operation
- Profibus PA DTM included
- HART DTM included
- Works with DevComDroid (for HART)



Connection to Profibus PA Network



## Specifications:

### Enclosure

Dimensions 6.9" x 2.9" x 1.3" (175 mm x 74 mm x 32 mm)  
 Total Unit Weight 11.6 oz (330 g) including Batteries  
 Protection Class IP 54

### Safety

Intrinsic safety EX ia IIB, Ui = 30 V, Ci 5 nF, Li negligible low  
 FISCO field device  
 Isolation 1500 VDC between USB and field device connections

### Profibus PA

Standard IEC 61158-2, Type 1: 31.25 Kbit/s, voltage mode  
 Input Current 10 mA in Bluetooth and regular USB mode  
 18 mA (with fieldbus voltage > 9.5V)  
 Fieldbus Terminator None

### HART

Connections Across loop resistor or HART field device  
 Specifications HART 4, HART 5, HART 6, HART 7,  
 HART Physical Layer Spec HCF\_SPEC-54

### DTM

Operating System Windows 7 (32/64), 8 (32/64), 10 (32/64)  
 Not needed for DevComDroid

### USB

Specifications USB 2.0  
 Power USB port provides power to unit (in safe area only)  
 Current Draw 100mA, note that batteries are still required for operation

### Connections

Profibus PA 4mm banana jacks  
 HART 4mm banana jacks  
 USB Connector USB Type C

### Environmental

Operating Temperature -20 degC to 50 degC (-4 degF to 122 degF)  
 Storage Temperature -40 degC to 85 degC (-40 degF to 185 degF)  
 Humidity 0% to 95% (non-condensing)

### Compliances

Certifications EMC, ATEX, RED, RoHS, WEEE  
 See user manual for details

# ProComSol, Ltd

*Process Communications Solutions*

Phone: 216.221.1550  
 Toll Free: 877.221.1551  
 Fax: 216.221.1554  
 Email: [sales@procomsol.com](mailto:sales@procomsol.com)  
 Web: [www.procomsol.com](http://www.procomsol.com)