



**MOBI-CMPLT**  
mobiLink Modem for  
FF, Profibus PA, and  
HART<sup>®</sup>



Perform Foundation Fieldbus (FF), Profibus PA, and HART communications in hazardous areas using Bluetooth interface. USB interface for non-hazardous areas.

**Features:**

- Compliant FF Host
- 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
- FF DTM included
- Profibus PA DTM included
- HART DTM included
- Works with DevComDroid (for HART)



mobiLink Modem

## 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,  $U_i = 30$  V,  $C_i = 5$  nF, Li negligible low  
FISCO field device  
Isolation 1500 VDC between USB and field device connections

### FF and 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

