



MOBI-CMPLT
mobiLink Modem for
FF, Profibus PA, and
HART[®]



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

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