



MOBI-FF
mobiLink Modem for
FF and HART



Description:

Perform Foundation Fieldbus (FF) and HART communications in hazardous areas using Bluetooth interface. USB interface for communications in non-hazardous areas. Other fieldbus protocols available. Visit our website for more information.

Features:

- Compliant FF Host
- Compliant HART Master
- Suitable for Hazardous areas, Zone 1
- Rugged IP54 enclosure
- USB interface (safe area only)
- Bluetooth and Bluetooth LE interface (Hazardous areas)
- Battery powered, over 45 hours of continuous operation
- FF DTM included (for FDT systems)
- HART DTM included (for FDT systems)
- Works with DevCom2000, DevComDroid and DevCom.iOS (for HART)
- Works with DevComFF.Win and DevComFF.Droid (for FF)





PROCOMSOL

Process Communications Solutions



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 or FISCO field device
IECEX Ex ib [ia Da] IIIC T100°C Db
ATEX II 2D Ex ib [ia Da] IIIC T100°C Db
Isolation 1500 VDC between USB and field device connections

FF

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, *wireless*HART
HART Physical Layer Spec HCF_SPEC-54

DTM

Operating System Windows 7 Professional or higher
DTM not needed for DevCom or DevComFF Apps or software

USB

Specifications USB 2.0
Power 3x AA Batteries, USB port provides power to unit (in safe area only)
Current Draw 100mA, note that batteries are still required for operation

Bluetooth

Type Dual Mode (BT Classic and BLE)
Frequency 2.4 GHz
Range 46' (14m)

Connections

FF 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, IECEX, RED, RoHS, WEEE
See user manual for details

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