



MOBI-PA mobiLink Modem for Profibus PA and HART



Description:

Perform Profibus PA 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 Profibus PA 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
- Profibus PA DTM included (for FDT systems)
- HART DTM included (for FDT systems)
- Works with DevCom2000, DevComDroid and DevCom.iOS (for HART)





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

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, <i>wirelessHART</i> HART Physical Layer Spec HCF_SPEC-54

DTM

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

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