



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, U _i = 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

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|----------------|--|
| Connections | Across loop resistor or HART field device |
| Specifications | HART 4, HART 5, HART 6, HART 7, <i>wireless</i> HART HART Physical Layer Spec HCF_SPEC-54 |

DTM

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

USB

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|----------------|--|
| 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

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|-----------|--------------------------------|
| 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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