



TAB-DROID-C1D2-  
HART-FF-MOBI  
Android Class 1 Div 2 Tablet HART  
and FF Communicator Kit,  
mobiLink



**Description:**

Combines all components needed for an Intrinsically Safe cost-effective FF Hand-Held Communicator for Class 1, Division 2 applications.

**Includes:**

- TAB-EX 03 rugged tablet with Bluetooth, Android 13, WI-FI, 4GB RAM, 64GB Storage Memory, 8 inch Touch Screen.
- DevComDroid HART Communicator App
- DevComFF.Droid FF Communicator App
- MOBI-FF Intrinsically Safe HART and FF Modem
- Complete HART DD Library
- Complete FF DD Library
- One year Update Subscription (SUB-1YR)
- Loop Resistor, 250 Ohm
- Rugged hard plastic case with carrying handle

**All components installed, setup, and ready to go!**





## Specifications:

### TAB-EX 03

|                       |   |
|-----------------------|---|
| Operating System      | Android 13  |
| Screen                | 8" TFT (1920 x 1200 pixels) Multi-Touch Screen        |
| Communications        | Bluetooth 5.0, WLAN 802.11 a/b/g/n/ac/ax              |
| Bluetooth Modem Range | 30 ft (10m)   |
| Memory                | 4 GB RAM, 64 GB Storage                               |
| Camera                | 13 Megapixel rear, 5 Megapixel front                  |
| Battery               | 5050 mAh  |
| Safety IECEx:         | Ex ic IIC T5 Gc IP64, Ex ic IIIC T85°C Dc             |
| Safety ATEX:          | II 3G Ex ic IIC T5 Gc IP64, II 3D Ex ic IIIC T85°C Dc |
| Safety CSA            | Class I, Division 2, Groups A-D; T5                   |

### DevComDroid HART Communicator App

|                  |                                   |
|------------------|-----------------------------------|
| DD Library       | Included                          |
| DD Updates       | Quarterly updates for 1 year free |
| DD Specification | DDL standard (IEC 61804-3)        |

### DevComFF.Droid FF Communicator App

|                  |                                   |
|------------------|-----------------------------------|
| DD Library       | Included                          |
| DD Updates       | Quarterly updates for 1 year free |
| DD Specification | DDL standard (IEC 61804-3)        |

### MOBI-FF Intrinsically Safe HART and FF Modem

|                     |   |
|---------------------|---|
| 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   |
| Intrinsic safety    | EX ia IIB, Ui = 30 V, Ci 5 nF, Li negligible low FISCO field device             |
| Isolation           | 1500 VDC between USB and field device connections                               |
| HART Specifications | HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54            |
| FF Standard         | IEC 61158-2, Type 1: 31.25 Kbit/s, voltage mode                                 |
| FF Input Current    | 10 mA in Bluetooth and regular USB mode<br>18 mA (with fieldbus voltage > 9.5V) |
| Fieldbus Terminator | None  |
| Power               | 3x AA Batteries   |
| Current Draw        | 100mA   |

### Loop Resistor, 250 Ohm

|              |        |
|--------------|--------|
| Power Rating | 1 Watt |
|--------------|--------|

### Carrying Case

|      |                          |
|------|--------------------------|
| Size | 17" L x 12" W x 3-1/2" H |
|------|--------------------------|

Note: For full specifications see individual data sheets

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