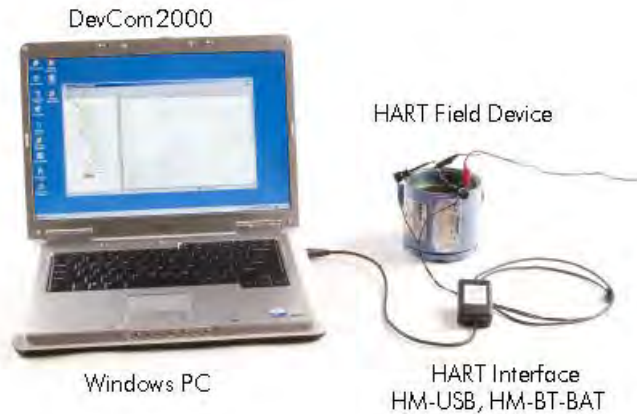




## Advanced, Cost-effective, and Reliable HART<sup>®</sup> Communication Products



ProComSol, Ltd (Process Communications Solutions) was founded in 2005 dedicated to providing products for users of HART technology. We established our reputation with reliable USB HART modems certified by the HART Communication Foundation. The HM-USB-ISO HART Modem is the most cost-effective certified USB HART Modem available.

We are known for several technical innovations. Among them is our Bluetooth HART modem which first appeared on the market in 2005. This makes us the first to offer wireless capabilities for HART users. We were also the first to offer products based on SDC-625 technology. Our DevComDroid Smart Communicator App for Android is the first product to offer full DD capabilities on the Android platform. Also our DevCom.iOS Smart Communicator App is the first HART Communicator App for the iOS platform.

Our HART Communicator software products (DevCom2000 and DevComDroid) have established themselves as the only real alternatives to expensive communicators. DevCom2000 was originally released in 2006 as the first product to use the HART Communication Foundation's SDC-625 technology. Constant and steady improvements over the years have made DevCom2000 reliable, convenient, and feature rich.

ProComSol has always been a member of the FieldComm Group. We are committed to improving the HART protocol and offering high quality, reliable, and innovative products using this amazing technology. If you do not see products or features that you need, please contact us. We promise to work hard to meet your needs.

Thank you for your interest in our products,  
*ProComSol, Ltd*

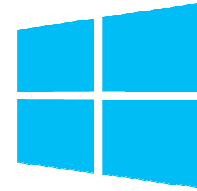
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# DevCom2000

## Smart Device Communicator

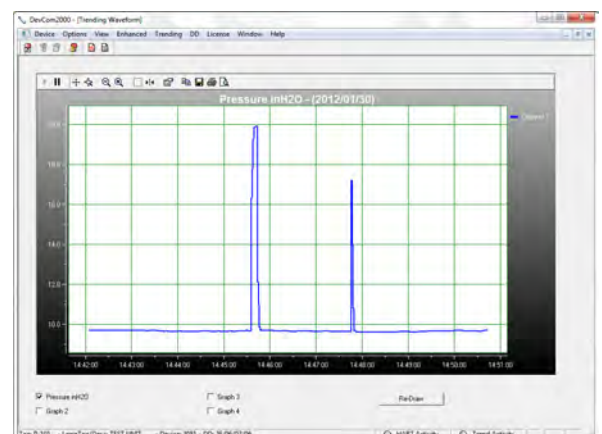
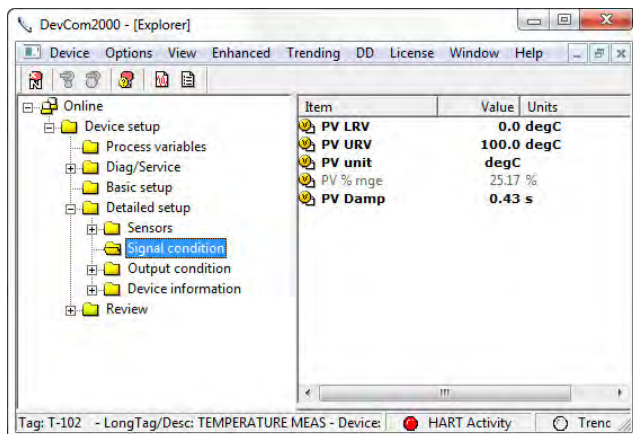


### Benefits:

- Perform complete HART® device configurations using your Desktop, Laptop, or Tablet PC
- Uses the registered DD files from the HART Communication Foundation
- Complete access to all features of the device DD including Methods
- Monitor PV, Multi-variables, and Device Status
- View and edit device Variables
- The most cost-effective DD based HART communication solution available

### Features:

- Windows Explorer menu layout
- Device menu structure easy to navigate
- Get to the information you want quickly
- Communication and Event Logs
- Save configurations as text file and PDF file for documenting the device
- Write saved configurations to devices
- Trend process variables as well as any other parameter associated with the device
- Complies with the Enhanced DDL standard (IEC 61804-3)
- Supports HART 7 and WirelessHART® devices, and now HART-IP
- Comes with ALL the latest registered DD's from the HART Foundation
- 1 Year warranty



Sample Screen Shots (DevCom2000 Explorer and DevCom2000 Trending Display)

# DevCom2000

## Smart Device Communicator

### **Specifications:**

#### **System Requirements (minimums)**

Operating System	Windows XP (Note: supports Windows versions 7 to 10)
Processor Speed	Pentium, 600 Mhz
Memory	256 MB
Hard Disk Space	500 MB
Monitor	256-color VGA
Communication Port	USB, RS232, Bluetooth, or Ethernet
HART Modem	ProComSol HM-USB-ISO, HM-BT-BAT-ER, HM-RS232-ISO, or equivalent

#### **Device Descriptions (DD's)**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (contact us for latest data)
DD Updates	Quarterly updates for 1 year free Download updates with subscription service

#### **Functions**

Monitor PV  
Monitor Multi-variables  
Monitor Device Status  
View and Edit Variables  
Save complete device configuration to text file and PDF file  
Write saved configurations to devices  
Sample Execute Methods:  
    Trims  
    Calibrations  
    Loop Tests  
    Zero and Span

**WirelessHART**  
**HART-IP**

## DevComDroid Mobile Smart Device Communicator for Android



### Benefits:

- Perform complete HART® device configurations using your Android™ based Tablet or Smartphone
- Uses the registered DD files from the HART Communication Foundation
- Complete access to all features of the device DD including Methods
- Monitor PV, Multi-variables, and Device Status
- View and edit device Variables
- The most cost-effective DD based handheld HART communication solution available

### Features:

- Easy to use Android interface
- Fast device connect and data view
- Save configurations as text file and PDF file for documenting the device
- Wireless convenience
- Comes with all the latest registered DD's from the HART Foundation
- 1 Year of free DD and program updates



Sample Screen Capture

# DevComDroid Mobile Smart Device Communicator Android

## **Specifications:**

### **System Requirements (minimums)**

Operating System	Android Jelly Bean (4.3)
Processor	ARM or Atom
Memory RAM	1 GB
Memory ROM	2 GB
Screen	960x540 qHD
Communication Port	Bluetooth
HART Modem	ProComSol HM-BT-BAT-ER, or equivalent

### **Device Descriptions (DD's)**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (contact us for latest data)
DD Updates	Quarterly updates for 1 year free Download updates with subscription service

### **Functions**

Monitor PV  
Monitor Multi-variables  
Monitor Device Status  
View and Edit Variables  
Sample Execute Methods:  
    Trims  
    Calibrations  
    Loop Tests  
    Zero and Span



## DevCom.iOS Mobile Smart Device Communicator for iOS

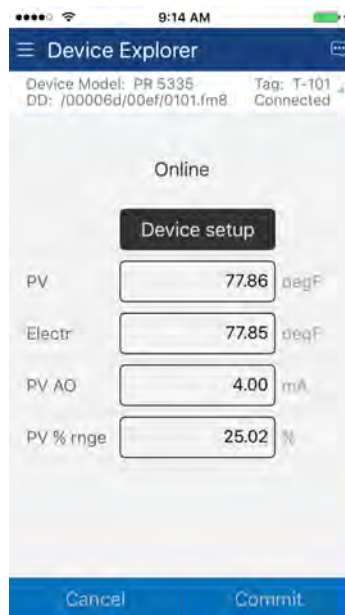


### Benefits:

- Perform complete HART® device configurations using your iPhone™ or iPad™
- Uses the registered DD files from the FieldComm Group
- Complete access to all features of the device DD including Methods
- Monitor PV, Multi-variables, and Device Status
- View and edit device Variables
- The most cost-effective DD based iOS HART communication solution available!

### Features:

- Easy to use iOS interface
- Fast device connect and data view
- Save configurations as text file and PDF file for documenting the device
- Wireless convenience
- Comes with all the latest registered DD's from the FieldComm Group
- No tag limits
- 1 Year of free DD and program updates



Sample Screen Capture

# DevCom.iOS

## Mobile Smart Device Communicator for iOS

### **Specifications:**

#### **System Requirements (minimums)**

Operating System	iOS 10
Memory RAM	1 GB
Memory ROM	2 GB
Communication Port	Bluetooth Low Energy
HART Modem	ProComSol HM-BLE

#### **Device Descriptions (DD's)**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (contact us for latest data)
DD Updates	Quarterly updates for 1 year free Download updates with subscription service

#### **Functions**

Monitor PV  
Monitor Multi-variables  
Monitor Device Status  
View and Edit Variables  
Sample Execute Methods:  
    Trims  
    Calibrations  
    Loop Tests  
    Zero and Span



## COM-PC Smart Communicator PC

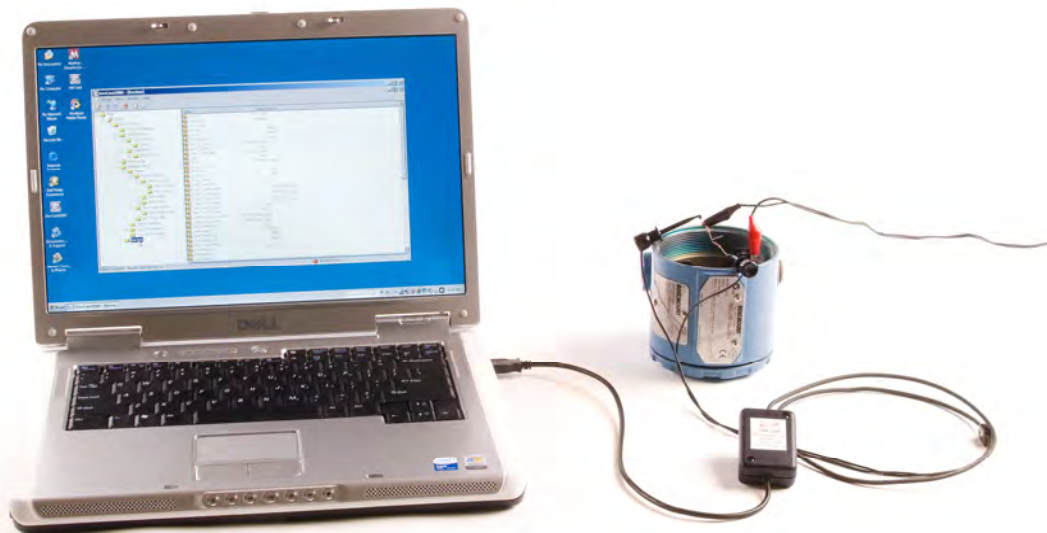
### **Description:**

Combines all components needed for a cost-effective PC based HART Communicator

### **Includes:**

- DevCom2000 Smart Device Communicator Software
- HM-USB-ISO USB HART Modem
- 1 Year warranty

*Note: Computer not included.*



**COM-PC**  
Smart Communicator  
PC

**Specifications:**

**DevCom2000 Smart Device Communicator Software**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (call for latest data)
DD Updates	Quarterly updates for 1 year free
DD Specification	Enhanced DDL standard (IEC 61804-3)

**HM-USB-ISO USB HART Modem**

Dimensions	2.75" x 2.0" x 0.8" (70mm x 51mm x 20mm)
Total Unit Weight	3 oz (85 g)
HART Cable Length	4' (1.2 m)
HART Cable Connectors	Mini-Grabber
USB Cable Length	18" (0.5 m)
USB Cable Connector	USB Type A
HART Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54
HART Foundation	Registration Number L2-06-1000-070
USB Specifications	USB 1.1, USB 2.0
Power	USB port provides power to unit
Current Draw	20mA

*Note: For full specifications see individual data sheets.*

# COM-DROID Smart Communicator for Android



## **Description:**

Combines all components needed for a cost-effective Android™ based HART® Communicator

## **Includes:**

- DevComDroid Smart Device Communicator Software
- HM-BT-BAT-ER Bluetooth HART Modem
- 1 Year warranty

*Note: Smart Phone not included.*



**COM-DROID**  
Smart Communicator  
Android

**Specifications:**

**DevComDroid Smart Device Communicator Software**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (call for latest data)
DD Updates	Quarterly updates for 1 year free
DD Specification	Enhanced DDL standard (IEC 61804-3)
Operating System	Android Jelly Bean (4.3)

**HM-BT-BAT-ER Bluetooth HART Modem**

Dimensions	2.00" x 2.75" x 0.80" (50mm x 70mm x 20mm)
Total Unit Weight	6 oz (170 g)
HART Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54

*Note: For full specifications see individual data sheets.*

*Android is a trademark of Google Inc.*

# COM-TABLET

## Smart Communicator Tablet PC

### **Description:**

Combines all components needed for a cost-effective HART® Hand-Held Communicator

### **Includes:**

- ASUS Transformer Book T100 PC with Bluetooth, Wi-Fi, Windows 8, Keyboard Docking Station, 64 GB Memory, 10.1 inch Touch Screen.
- DevCom2000 Smart Device Communicator Software
- Complete HART DD Library
- HM-BT-BAT-ER Bluetooth HART Modem
- Loop Resistor, 250 Ohm
- Rugged hard plastic case with carrying handle
- 1 Year warranty

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



# COM-TABLET

## Smart Communicator Tablet PC

### Specifications:

#### ASUS Transformer Book T100

Operating System	Windows 8.1
Screen	256-color VGA (1366 x 768 pixels) Touch Screen
Communications	Bluetooth 4.0, 802.11b/g/n
Bluetooth Modem Range	30 ft (10m)
Memory	64 GB Flash
Camera	1.2 Megapixel
Keyboard	Detachable docking station

#### DevCom2000 Smart Device Communicator Software

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (call for latest data)
DD Updates	Quarterly updates for 1 year free

#### HM-BT-BAT-ER Bluetooth HART Modem

Dimensions	2.00" x 2.75" x 0.80" (50mm x 70mm x 20mm)
Total Unit Weight	6 oz (170 g)
HART Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54

#### Loop Resistor, 250 Ohm

Power Rating	1 Watt
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#### Carrying Case

Size	13-1/2" L x 10" W x 3-3/4" H
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*Note: For full specifications see individual data sheets.*

# COM-TABLET-R

## Rugged Smart Communicator Tablet PC

### **Description:**

Combines all components needed for a rugged cost-effective HART® Hand-Held Communicator

### **Includes:**

- Durabook R11 semi-rugged tablet PC with Bluetooth 3.0 EDR, Windows 10, WI-FI, 2GB RAM, 64GB Storage Memory, 10.1 inch Touch Screen.
- Stylus
- DevCom2000 Smart Device Communicator Software
- Complete HART DD Library
- HM-BT-BAT-ER Bluetooth HART Modem
- Loop Resistor, 250 Ohm
- Rugged hard plastic case with carrying handle
- 1 Year warranty

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





**COM-TABLET-R**

**Rugged  
Smart Communicator  
Tablet PC**

**Specifications:**

**Durabook R11**

Operating System	Windows 10
Screen	10.1" WXGA (1280 x 800 pixels) Multi-Touch Screen
Communications	Bluetooth 3.0, WLAN 1x1 b/g/n
Bluetooth Modem Range	30 ft (10m)
Memory	2 GB RAM, 64 GB Storage
Camera	1.3 Megapixel (front)
Battery	Two Hot-swap Li-ion battery packs
Drop Resistance	MIL-STD 810G 516.6 Procedure IV
Shock Resistance	MIL-STD 810G 514.6 General Vibration
Spill Resistance	IP-43

**DevCom2000 Smart Device Communicator Software**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (call for latest data)
DD Updates	Quarterly updates for 1 year free

**HM-BT-BAT-ER Bluetooth HART Modem**

Dimensions	2.00" x 2.75" x 0.80" (50mm x 70mm x 20mm)
Total Unit Weight	6 oz (170 g)
HART Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54

**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.*



## COM-TABLET-C1D2

### Intrinsically Safe Smart Communicator Windows Tablet PC

#### **Description:**

Combines all components needed for an Intrinsically Safe cost-effective HART® Hand-Held Communicator

#### **Includes:**

- xTablet T7200 rugged tablet PC with Bluetooth, Windows 7, WI-FI, 2GB RAM, 64GB Storage Memory, 7 inch Touch Screen.
- Stylus
- DevCom2000 Smart Device Communicator Software
- Complete HART DD Library
- Viator BT Bluetooth HART Modem
- Loop Resistor, 250 Ohm
- Rugged hard plastic case with carrying handle
- 1 Year warranty

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



## COM-TABLET-C1D2

### Intrinsically Safe Smart Communicator Windows Tablet PC

#### **Specifications:**

##### **xTablet T7200 C1D2**

Operating System	Windows 7 Pro
Screen	7" XGA (1024 x 768 pixels) Multi-Touch Screen
Communications	Bluetooth 4.0, WLAN 802.11 a/b/g/n
Bluetooth Modem Range	30 ft (10m)
Memory	2 GB RAM, 64 GB Storage
Camera	5.0 Megapixel
Battery	37 WHr
Drop Resistance	MIL-STD 810G
Safety	UL 60950-1, UL 1604 (ANSI/ISA 12.12.01-2012, CSA C22.2 No. 213-M 1987 Class 1/Division 2)

##### **DevCom2000 Smart Device Communicator Software for Windows**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (call for latest data)
DD Updates	Quarterly updates for 1 year free

##### **Viator BT Bluetooth Modem**

Dimensions	2.00" x 2.75" x 0.80" (42mm x 88mm x 19mm)
Safety	ATEX II 1G Ex ia IIC T4, FM Class I, Division 1, Group A, B, C, D, AEx ia IIC T4

##### **Loop Resistor, 250 Ohm**

Power Rating	1 Watt
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##### **Carrying Case**

Size	19" L x 14" W x 4-3/4" H
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*Note: For full specifications see individual data sheets.*

# COM-TABLET-AN-8

## Smart Communicator Android Tablet 8" Screen

### **Description:**

Combines all components needed for a cost-effective HART® Hand-Held Communicator

### **Includes:**

- Samsung Tab A tablet with Bluetooth, Android 5, WI-FI, 1.5GB RAM, 16GB Storage Memory, 8 inch Touch Screen.
- DevComDroid Smart Device Communicator App
- Complete HART DD Library
- HM-BT-BAT-ER Bluetooth HART Modem
- Loop Resistor, 250 Ohm
- Rugged hard plastic case with carrying handle
- 1 Year warranty

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





**COM-TABLET-AN-8**  
**Smart Communicator**  
**Android Tablet**  
**8" Screen**

**Specifications:**

**Tab A**

Operating System	Android 5, Lollipop
Screen	8" HD (1024 x 768 pixels) Multi-Touch Screen
Communications	Bluetooth 4.1, WLAN 802.11 a/b/g/n
Bluetooth Modem Range	30 ft (10m)
Memory	1.5 GB RAM, 16 GB Storage
Camera	2.0 Megapixel Front, 5.0 Megapixel Rear
Battery	4200 mAh

**DevComDroid Smart Device Communicator App for Android**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (call for latest data)
DD Updates	Quarterly updates for 1 year free

**HM-BT-BAT-ER Bluetooth HART Modem**

Dimensions	2.00" x 2.75" x 0.80" (50mm x 70mm x 20mm)
Total Unit Weight	6 oz (170 g)
HART Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54

**Loop Resistor, 250 Ohm**

Power Rating	1 Watt
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**Carrying Case**

Size	17" L x 12" W x 3-1/2" H
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*Note: For full specifications see individual data sheets.*



## COM-TABLET-AN-C1D1

### Intrinsically Safe Smart Communicator Android Tablet

#### **Description:**

Combines all components needed for an Intrinsically Safe cost-effective HART® Hand-Held Communicator for Class 1, Division 1

#### **Includes:**

- TAB-EX 01 rugged tablet with Bluetooth, Android 4.4, WI-FI, 1.5GB RAM, 16GB Storage Memory, 8 inch Touch Screen.
- DevComDroid Smart Device Communicator App
- Complete HART DD Library
- Viator BT Bluetooth HART Modem
- Loop Resistor, 250 Ohm
- Rugged hard plastic case with carrying handle
- 1 Year warranty

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





**COM-TABLET-AN-C1D1**  
**Intrinsically Safe**  
**Smart Communicator**  
**Android Tablet**

**Specifications:**

**TAB-EX 01**

Operating System	Android 4.4.4
Screen	8" TFT (1280 x 800 pixels) Multi-Touch Screen
Communications	Bluetooth 4.0, WLAN 802.11 a/b/g/n
Bluetooth Modem Range	30 ft (10m)
Memory	1.5 GB RAM, 16 GB Storage
Camera	3.0 Megapixel rear, 1.3 Megapixel front
Battery	4450 mAh
Safety ATEX and IECEx:	Ex db ia op is IIC T5 Gb, Ex tb IIIC T100C Db
Safety CSA	Class I, Division 1, Groups A-D; T5

**DevComDroid Smart Device Communicator App for Android**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (call for latest data)
DD Updates	Quarterly updates for 1 year free

**Viator BT Bluetooth Modem**

Dimensions	2.00" x 2.75" x 0.80" (42mm x 88mm x 19mm)
Safety	ATEX II 1G Ex ia IIC T4, FM Class I, Division 1, Group A, B, C, D, AEx ia IIC T4

**Loop Resistor, 250 Ohm**

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

**Carrying Case**

Size	17" L x 12" W x 3-1/2" H
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*Note: For full specifications see individual data sheets.*



## COM-TABLET-AN-C1D2

### Intrinsically Safe Smart Communicator Android Tablet

#### **Description:**

Combines all components needed for an Intrinsically Safe cost-effective HART® Hand-Held Communicator for Class 1, Division 2

#### **Includes:**

- TAB-EX 01 rugged tablet with Bluetooth, Android 4.4.4, WI-FI, 1.5GB RAM, 16GB Storage Memory, 8 inch Touch Screen.
- DevComDroid Smart Device Communicator App
- Complete HART DD Library
- Viator BT Bluetooth HART Modem
- Loop Resistor, 250 Ohm
- Rugged hard plastic case with carrying handle
- 1 Year warranty

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



## COM-TABLET-AN-C1D2

### Intrinsically Safe Smart Communicator Android Tablet

#### **Specifications:**

##### **TAB-EX 01**

Operating System	Android 4.4.4
Screen	8" TFT (1280 x 800 pixels) Multi-Touch Screen
Communications	Bluetooth 4.0, WLAN 802.11 a/b/g/n
Bluetooth Modem Range	30 ft (10m)
Memory	1.5 GB RAM, 16 GB Storage
Camera	3.0 Megapixel rear, 1.3 Megapixel front
Battery	4450 mAh
Safety ATEX and IECEx:	II 3G Ex ic IIC T5 Gc, Ex ic IIC T5Gc
Safety CSA	Class I, Division 2, Groups A-D; T4 Class I, Zone 2, Group IIC, T4

##### **DevComDroid Smart Device Communicator App for Android**

DD Library	Included
Generic DD	Included
Current Library	HCF Release 2017 No. 2 (call for latest data)
DD Updates	Quarterly updates for 1 year free

##### **Viator BT Bluetooth Modem**

Dimensions	2.00" x 2.75" x 0.80" (42mm x 88mm x 19mm)
Safety	ATEX II 1G Ex ia IIC T4, FM Class I, Division 1, Group A, B, C, D, AEx ia IIC T4

##### **Loop Resistor, 250 Ohm**

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

##### **Carrying Case**

Size	17" L x 12" W x 3-1/2" H
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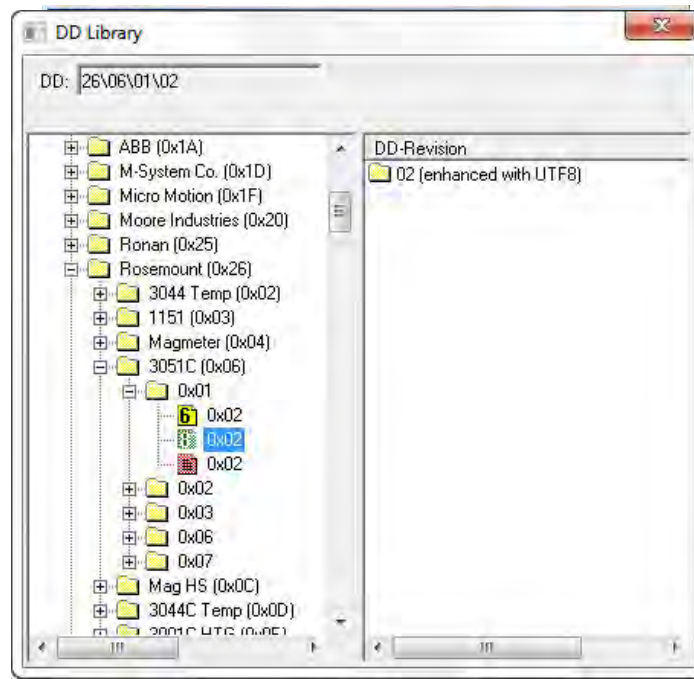
*Note: For full specifications see individual data sheets.*



## DD-LIB-1 YR DD Library Subscription

### Features:

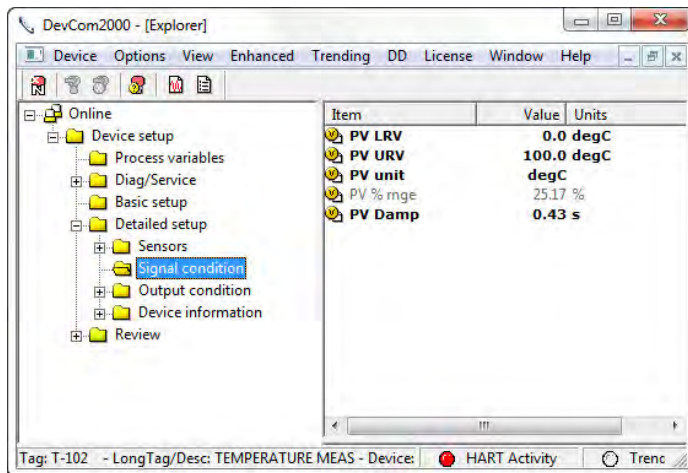
- Keep your DD Library current with new Device Descriptions (DDs)
- Keep your DD Library current with updated/revised DDs
- Easy to use web based updates
- One year worth of updates (4 updates)
- Included free with first year warranty
- For both Windows and Android™ devices

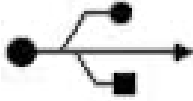


# SW-UP-1YR Software Upgrade

## Features:

- Upgrade DevCom2000 or DevComDroid to include latest features
- Keep your software current with the latest revision
- Upgrade for 1 year
- Included free with first year warranty
- For both Windows and Android™ devices





**HM-USB-ISO**  
**HART<sup>®</sup> Modem - USB**  
**Electrically Isolated**



**Features:**

- 1500 Vdc Opto Isolation between HART and USB circuits
- USB 1.1 and 2.0 compatible
- Integral standard USB type A connector
- Integral heavy duty HART Minigrabber connectors
- Certified to meet HART Physical Layer Spec HCF\_SPEC-54
- Self powered, no external power supply or batteries needed
- 48” (1.2m) cable length
- Easy to install Virtual Serial Port for any Windows application
- Compact size 2.75” x 2.0” x 0.8” (70mm x 51mm x 20mm)
- Rugged ABS plastic enclosure
- Custom cable lengths available
- Banana plug option available (HM-USB-ISO-BP)
- HART Modem Test Program included
- HART Foundation Registered, Registration Number L2-06-1000-070
- CE certified
- Cost effective
- Each unit 100% tested
- 1 Year warranty



**HM-USB-ISO**  
**HART<sup>®</sup> Modem - USB**  
**Electrically Isolated**

**Specifications:**

**Enclosure**

Material High strength ABS Plastic  
Dimensions 2.75" x 2.0" x 0.8" (70mm x 51mm x 20mm)  
Total Unit Weight 3 oz (85 g)

**Cables**

HART Cable Length 4' (1.2 m)  
HART Cable Connectors Mini-Grabber  
USB Cable Length 18" (0.5 m)  
USB Cable Connector USB Type A

**HART**

Interface Capacitive and transformer coupling  
Output 600 mVpp  
Leakage < 10 uA  
Isolation Voltage 1500 Vdc  
Connections Across loop resistor or HART field device  
Specifications HART 4, HART 5, HART 6, HART 7,  
HART Physical Layer Spec HCF\_SPEC-54

**Computer**

Operating System XP, Vista (32/64), 7 (32/64), 8 (32/64), 10 (32/64)

**USB**

Specifications USB 1.1, USB 2.0  
Power USB port provides power to unit  
Current Draw 20mA

**Environmental**

Operating Temperature 0 degC to 50 degC (32 degF to 122 degF)  
Storage Temperature -40 degC to 85 degC (-40 degF to 185 degF)  
Humidity 0% to 99% (non-condensing)

**Compliances**

CE Certification EN 61326 (EMC)  
HART Registration L2-06-1000-070



**HM-BT-BAT-ER**  
HART<sup>®</sup> Modem - Bluetooth  
Extended Range



**Benefits:**

- Access hard to reach instrumentation from the ground or your vehicle
- Improve plant personnel safety
- Easy instrument configuration using PC's or Mobile's without bulky modules or wires
- Less clutter on desk or workbench

**Features:**

- Bluetooth v2.0
- Reliable wireless communication up to 275 ft (83.8m)
- Internal antenna
- Rechargeable Li-Ion battery via mini-USB connector
- Integral heavy duty HART Minigrabber connectors
- Meets HART Physical Layer Spec HCF\_SPEC-54
- High security 128 bit encryption
- Compact size 2.00" x 2.75" x 0.80" (50mm x 70mm x 20mm)
- Rugged ABS plastic enclosure
- HART Modem Test Program included for PC and Pocket PC
- Integrated loop for hanging strap attachment
- Each unit 100% tested
- 1 Year warranty





**HM-BT-BAT-ER**  
HART<sup>®</sup> Modem - Bluetooth  
Extended Range



**Specifications:**

**Enclosure**

Material	High strength ABS Plastic
Dimensions	2.00" x 2.75" x 0.80" (50mm x 70mm x 20mm)
Total Unit Weight	6 oz (170 g)

**Cables**

HART Cable Length	4' (1.2 m)
HART Cable Connectors	Mini-Grabber

**HART**

Interface	Capacitive coupling
Output	600 mVpp
Leakage	< 10 uA
Connections	Across loop resistor or HART field device
Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54

**Computer**

Operating System	XP, Vista (32/64), 7 (32/64), 8 (32/64), 10 (32/64)
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**Bluetooth**

Specifications	Bluetooth v2.0
Frequency	2.4 GHz
Class 1 Master Distance	275' (83.8m)
Class 2 Master Distance	25' (7.6m)

**Battery**

Type	Rechargeable Li-Ion
Life	19 hours continuous use

**Environmental**

Operating Temperature	0 degC to 50 degC (32 degF to 122 degF)
Storage Temperature	-40 degC to 85 degC (-40 degF to 185 degF)
Humidity	0% to 99% (non-condensing)

**Compliances**

CE Certification	EN 61326 (EMC)
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**HM-BLE**  
**HART<sup>®</sup> Modem - Bluetooth**  
**Low Energy**



**Benefits:**

- Access hard to reach instrumentation from the ground or your truck
- Improve plant personnel safety
- Easy instrument configuration using Mobile devices without bulky modules or wires
- Less clutter on desk or workbench

**Features:**

- Bluetooth v4.0
- Reliable wireless communication up to 328 ft (100m)
- Internal antenna
- Rechargeable Li-Ion battery via micro-USB connector
- Integral heavy duty HART Minigrabber connectors
- Meets HART Physical Layer Spec HCF\_SPEC-54
- High security 128 bit encryption
- Compact size 2.00" x 2.75" x 0.80" (50mm x 70mm x 20mm)
- Rugged ABS plastic enclosure
- HART Modem Test App included for iOS and Android
- Integrated loop for hanging strap attachment
- Each unit 100% tested
- 1 Year warranty



**HM-BT-BAT-ER**  
**HART<sup>®</sup> Modem - Bluetooth**  
**Low Energy**

**Specifications:**

**Enclosure**

Material	High strength ABS Plastic
Dimensions	2.00" x 2.75" x 0.80" (50mm x 70mm x 20mm)
Total Unit Weight	6 oz (170 g)

**Cables**

HART Cable Length	4' (1.2 m)
HART Cable Connectors	Mini-Grabber

**HART**

Interface	Capacitive coupling
Output	600 mVpp
Leakage	< 10 uA
Connections	Across loop resistor or HART field device
Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54

**Computer**

Operating Systems	Android, iOS
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**Bluetooth**

Specifications	Bluetooth v4.0
Frequency	2.4 GHz

**Battery**

Type	Rechargeable Li-Ion
Life	19 hours continuous use

**Environmental**

Operating Temperature	0 degC to 50 degC (32 degF to 122 degF)
Storage Temperature	-40 degC to 85 degC (-40 degF to 185 degF)
Humidity	0% to 99% (non-condensing)

**Compliances**

CE Certification	EN 61326 (EMC), Directive 2011/65/EU (RoHS)
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**HM-RS232-ISO**  
**HART<sup>®</sup> Modem - RS232**  
**Electrically Isolated**



**Features:**

- 1500 Vdc Opto Isolation between HART and RS232 circuits
- Integral standard RS-232 female connector
- Integral heavy duty HART Minigrabber connectors
- Designed to meet HART Physical Layer Spec HCF\_SPEC-54
- Self powered, no external power supply or batteries needed
- 48" (1.2m) cable length
- No driver installation necessary
- Compact size 2.75" x 2.0" x 0.8" (70mm x 51mm x 20mm)
- Rugged ABS plastic enclosure
- Custom cable lengths available
- HART Modem Test Program included
- HART Foundation Registered, Registration Number L2-06-1000-305
- CE certified
- Cost effective
- Each unit 100% tested
- 1 Year warranty





**HM-RS232-ISO**  
**HART<sup>®</sup> Modem - RS232**  
**Electrically Isolated**



## Specifications:

### Enclosure

Material	High strength ABS Plastic
Dimensions	2.75" x 2.0" x 0.8" (70mm x 51mm x 20mm)
Total Unit Weight	4.8 oz (136 g)

### Cables

HART Cable Length	4' (1.2 m)
HART Cable Connectors	Mini-Grabber
RS232 Cable Length	18" (0.5 m)
Cable Connector	RS232 Female

### HART

Interface	Capacitive and transformer coupling
Output	600 mVpp
Leakage	< 10 uA
Isolation Voltage	1500 Vdc
Connections	Across loop resistor or HART field device
Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54
HART Foundation	Registration Number L2-06-1000-305

### Computer

Operating System	XP, Vista (32/64), 7 (32/64), 8 (32/64), 10 (32/64)
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### RS232

Power	RS232 port provides power to unit
Current Draw	17mA

### Environmental

Operating Temperature	0 degC to 50 degC (32 degF to 122 degF)
Storage Temperature	-40 degC to 85 degC (-40 degF to 185 degF)
Humidity	0% to 99% (non-condensing)

### Compliances

CE Certification	EN 61326 (EMC)
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## Cabling Options

We offer several cabling options to meet your application needs:

### CN-LENGTH



#### **Custom Cable Length Option**

Change the standard 4 ft length to whatever length you need.

Order as:  
CN-LENGTH – XX, Where XX is cable length in feet.

### - BP



#### **Banana Plug Option**

Standard banana plugs allow the user to attach the tests connectors of their choice.

Order as:  
HM-USB-ISO-BP – For HM-USB-ISO Modem  
HM-BT-BAT-ER-BP – For HM-BT-BAT-ER Modem

### CN-KIT-01



#### **Banana Jack Connector Kit**

Kit of four different connector types.  
Designed for use with the BP option modems.

Order as:  
CN-KIT-01

# BT-ADAPTER

## Bluetooth USB Adapter



### Benefits:

- Add Bluetooth to your PC
- Access hard to reach instrumentation from the ground or your truck
- Improve plant personnel safety
- Easy instrument configuration without bulky modules or wires
- Less clutter on desk or workbench

### Features:

- Bluetooth Class 1 v2.0
- Compatible with Bluetooth v1.1 and v1.2
- Reliable wireless communication up to 330 ft (100m)
- Internal antenna
- USB connection
- Self powered via USB
- Compact size 2.95" x 2.20" x 0.43" (24mm x 56mm x 11mm)
- Rugged ABS plastic enclosure
- 1 Year warranty





**BT-ADAPTER**  
Bluetooth USB Adapter

**Specifications:**

**Enclosure**

Material High strength ABS Plastic  
Dimensions 0.95" x 2.2" x 0.43" (24mm x 56mm x 11mm)  
Total Unit Weight 0.3 oz (8.5 g)

**Computer**

Operating System Windows 2000, XP, Vista (32/64), 7 (32/64), 8 (32/64)

**Bluetooth**

Specifications Bluetooth v2.0  
Frequency 2.4 GHz  
Range 330' (100m)

**Environmental**

Operating Temperature 0 degC to 50 degC (32 degF to 122 degF)  
Storage Temperature -40 degC to 85 degC (-40 degF to 185 degF)  
Humidity 0% to 99% (non-condensing)

**R-LOOP**  
250 Ohm Resistor

**Description:**

250 ohm resistor provides necessary loop resistance for the HART signal.



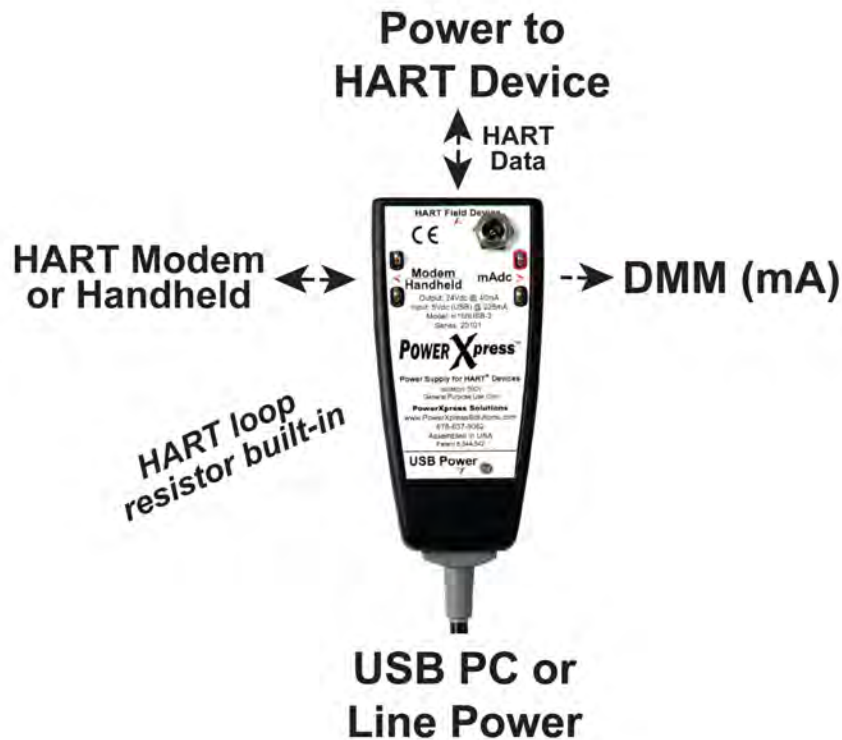


## PS-XPRESS HART<sup>®</sup> Power Solution



### Features:

- Quickly supplies 24Vdc power to 2-wire field devices
- Greatly simplifies wiring for field device testing and configuration
- Integrated connections for your DMM and HART modem
- Internal 250 ohm loop resistor for HART Communications
- Completely portable through USB connection to laptop
- Rugged ABS plastic enclosure
- Convenient mini-grabber connection points
- Cost effective
- Each unit 100% tested
- 1 Year warranty



**PS-XPRESS**  
**HART<sup>®</sup> Power**  
**Solution**



**Specifications:**

**Enclosure**

Material	High strength ABS Plastic
Dimensions	3.75" x 1.75" x 0.75" (95mm x 44mm x 19mm)
Total Unit Weight	5 oz (142 g), complete kit 13 oz (369 g)

**Cables**

Power Cable Length	16" (0.4 m)
Power Cable Connectors	Mini-Grabber
USB Cable Length	6.5' (2.0 m)
USB Cable Connector	USB Type A

**HART**

Output	24Vdc @ 40mA
Isolation Voltage	1000 Vdc
Connections	Includes 250 ohm loop resistor
Specifications	HART 4, HART 5, HART 6, HART 7

**Computer**

Operating System	No Operating System Requirements
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**USB**

Specifications	USB 1.1, USB 2.0
Power	USB port provides power to unit
Current Draw	225mA
AC Power Adapter	100-240Vac 50/60Hz to Output 5Vdc @ 1.0A

**Environmental**

Operating Temperature	0 degC to 50 degC (32 degF to 122 degF)
Storage Temperature	-40 degC to 85 degC (-40 degF to 185 degF)
Humidity	0% to 99% (non-condensing)
Area Classification	General Purpose



## PS-24V Power Supply, 24Vdc

### **Description:**

24Vdc power supply to provide power to 2 wire HART instruments

### **Benefits:**

- Power your HART instruments in the lab, in the office, or on the road
- Power HART instruments on dark loops in the field
- Alligator clips can connect to almost any terminal type
- 120Vac input
- Less clutter in work area
- Cost effective
- Lightweight
- Convenient
- 1 Year warranty



**PS-24V**  
Power Supply, 24Vdc

**Specifications:**

Input Voltage	120Vac, 60Hz
Output Voltage	24Vdc
Maximum Current	1 A
Size	2.7" W x 3.4" H x 2.2" D (68.5mm x 87.5mm x 55.5mm)
Weight	6.8 oz (193g)
Cable length	6 ft (1.8m)

## HANG-STRAP Adjustable Strap

### **Description:**

Adjustable nylon strap to hang the HM-BT-BAT-ER modem while connected to instrumentation.

### **Benefits:**

- Keeps the modem safely secured during HART communications
- Can hang from pipes, ductwork, conduit, etc.
- Less clutter in work area
- Versatile
- Rugged
- 1 Year warranty



# HANG-STRAP Adjustable Strap

## **Specification:**

Material	Nylon
Size	33" L x 1" W, Adjustable to 60" L
Connectors	2 x Swivel Snap Hooks

## 2018 Products and Price List

**Software/Apps**

DevCom2000: Smart Device Communicator Software for Windows	\$800.00
DevComDroid: Smart Device Communicator Software for Android	\$800.00
DevCom.iOS: Smart Device Communicator Software for iOS	\$999.99
Note: Only available on the Apple App Store	

DD-LIB-1YR: DD Library Subscription, 1 year	\$100.00
SW-UP-1YR: Software Upgrade Subscription, 1 year	\$200.00

**Complete Systems for Windows**

COM-PC: Smart Communicator PC	\$1100.00
COM-TABLET: Smart Communicator Tablet PC	\$1900.00
COM-TABLET-R: Rugged Smart Communicator Tablet PC	\$2800.00
COM-TABLET-C1D2: Hazardous Area Smart Communicator Tablet PC	\$5000.00

**Complete Systems for Android**

COM-DROID: Smart Communicator for Android	\$1150.00
COM-TABLET-AN-8: 8 Inch Smart Communicator Android Tablet	\$1900.00
COM-TABLET-AN-C1D1: Hazardous Area Smart Comm Android Tablet (Class 1, Division 1)	\$4600.00
COM-TABLET-AN-C1D2: Hazardous Area Smart Comm Android Tablet (Class 1, Division 2)	\$3050.00

**HART Modems**

HM-USB-ISO: Isolated USB Modem	\$300.00
HM-USB-ISO-BP: Banana Plug HART Cable Option	\$330.00
HM-BT-BAT-ER: Extended Range Bluetooth Modem	\$350.00
HM-BT-BAT-ER-BP: Banana Plug HART Cable Option	\$380.00
HM-BLE: Low Energy Bluetooth Modem	\$400.00
HM-BLE-BP: Banana Plug HART Cable Option	\$430.00
HM-RS232-ISO: Isolated RS232 Modem	\$300.00
HM-RS232-ISO-BP: Banana Plug HART Cable Option	\$330.00
HM-USB-PWR: USB HART Modem, Integrated Power Supply	\$650.00
CN-LENGTH: Custom Cable Lengths	\$50.00

(Continued on next page)

2018 Products  
and Price List  
(continued)

**Accessories:**

BT-ADAPTER: Bluetooth USB Adapter, Class 1	\$50.00
CN-KIT-01: Connector kit for –BP option units	\$50.00
R-LOOP: 250 Ohm Loop Resistor	\$5.00
PS-XPRESS: HART Power Supply	\$400.00
PS-24V: 24Vdc Power Supply	\$70.00
HANG-STRAP: Adjustable Strap	\$20.00

All prices in US Dollars

## Quality, Warranty, and Ordering Information

### **Quality:**

Our quality system has been registered to ISO 9001:2008. Initial registration in 2006.

### **Warranty:**

All products are warranted to be free from defects for 1 year.

### **Ordering:**

American Express, Visa, MasterCard, and Discover accepted.

Credit via Net 30 account is also available for qualified customers.

Order online, by E-mail, by telephone, by fax, or through distributors.

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