

# Product Change Notification (PCN)

PCN #: 2E-2026

Date: February 9, 2026

## 1 Products Affected

Ezurio Part Number	Description
453-00171R	Module, Vela IF820, Integrated Antenna, Tape and Reel
453-00171C	Module, Vela IF820, Integrated Antenna, Cut Tape
453-00172R	Module, Vela IF820, MHF4, Tape and Reel
453-00172C	Module, Vela IF820, MHF4, Cut Tape
453-00171-K1	Dev Kit, Module, Vela IF820, Integrated Antenna
453-00172-K1	Dev Kit, Module, Vela IF820, MHF4
450-00185	Assembly, Vela IF820, USB Adapter

## 2 Description of Changes

All changes have been applied to the part numbers listed above:

- Firmware loaded to the products in production has been updated from v1.4.16.16 to v1.4.18.18

## 3 Reason for Change

This release is to fix the following bugs:

- Support PUART baud rate greater than 2727272 bps. Baud rate greater than 2727272 bps must use 2 stop bits due to hardware limitation.
- Fix issue: When custom GATT profile has been added, it only works when CYSPP is enabled.
- Fix a lockup issue due in heavy UART loading.

The release supports the following new features:

- Protocol Set Parse Mode (SPPM) now defaults to disable auto parse. In order to use binary mode, enable it or enable auto parse with the SPPM command.
- Add support for keyboard paring. Add PKE event and /PE command.
- Implement SBTP,F=1 to disable sniff feature. This improves SPP throughput.
- Add using CYSPP pin to exit SPP MODE (pull CYSPP pin high) and transition back to command mode.

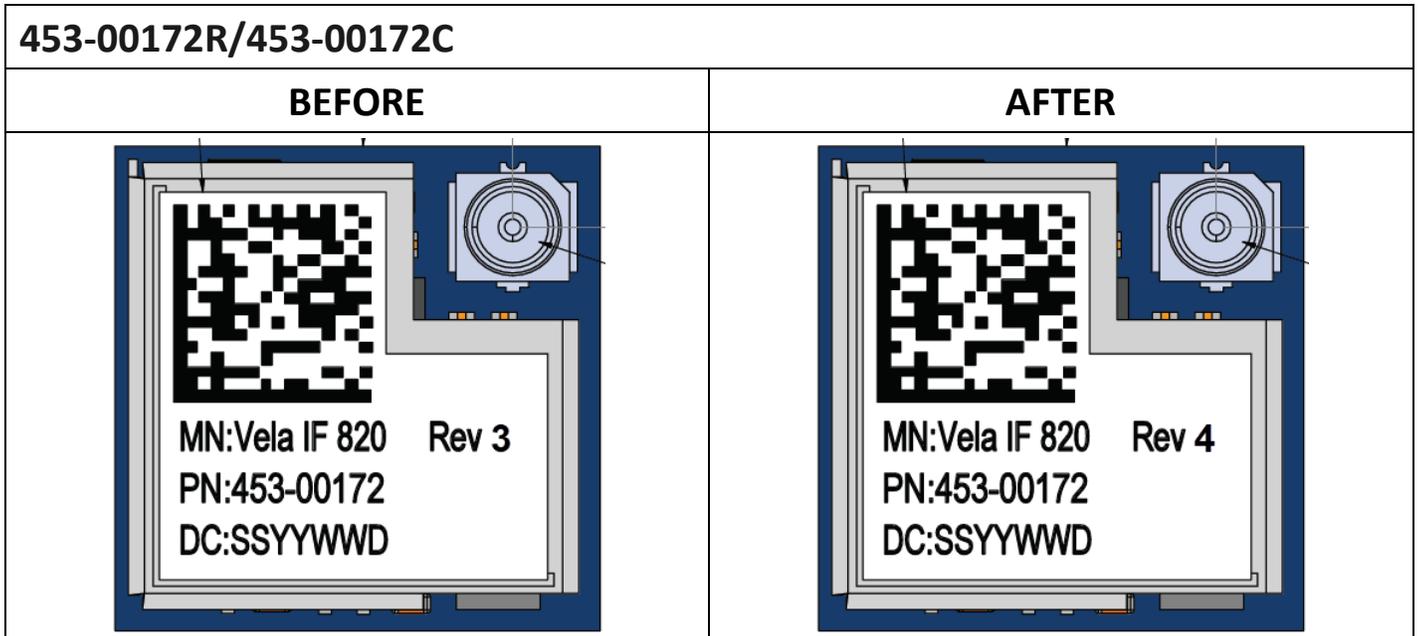
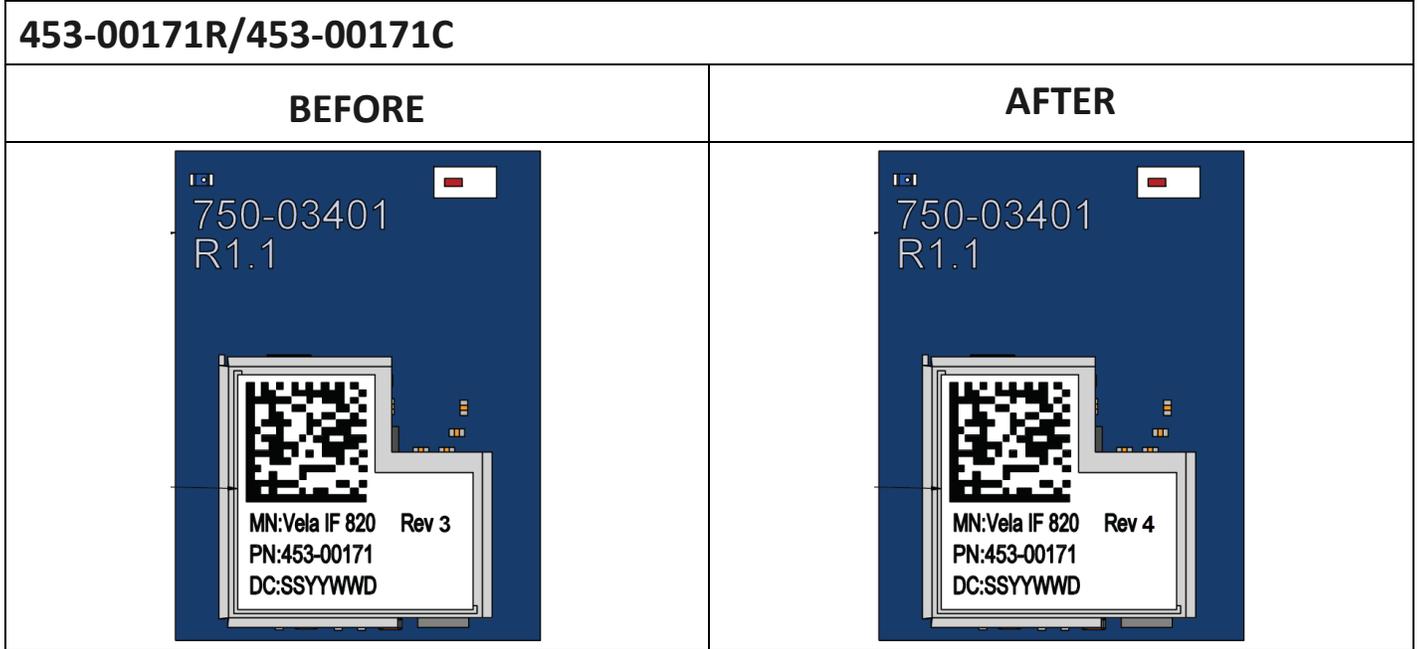
## 4 Anticipated Impact of the Change

The release details are available at [https://github.com/Ezurio/Vela\\_IF820\\_Firmware/releases/tag/v1.4.18.18](https://github.com/Ezurio/Vela_IF820_Firmware/releases/tag/v1.4.18.18)

## 5 Method of Identifying the Changed Product

### 5.1 On the modules

- On the module label, update the revision from Rev 3 to Rev 4.



- On the reel, bag, and box labels, update the revision from R3 to R4.

**453-00171R/453-00171C/453-00172R/453-00172C**

**Reel, Bag, and Box Labels**

BEFORE	AFTER
<p>M/N:Vela IF820 R3 </p> <p>P/N:453-00171R</p> <p>D/C:SSYYWWD </p> <p>Q'TY:XXXXPCS</p> <p>BOX_ID:BXXXXXYMDXXXXXX</p> 	<p>M/N:Vela IF820 R4 </p> <p>P/N:453-00171R</p> <p>D/C:SSYYWWD </p> <p>Q'TY:XXXXPCS</p> <p>BOX_ID:BXXXXXYMDXXXXXX</p> 
<p>M/N:Vela IF820 R3 </p> <p>P/N:453-00172R</p> <p>D/C:SSYYWWD </p> <p>Q'TY:XXXXPCS</p> <p>BOX_ID:BXXXXXYMDXXXXXX</p> 	<p>M/N:Vela IF820 R4 </p> <p>P/N:453-00172R</p> <p>D/C:SSYYWWD </p> <p>Q'TY:XXXXPCS</p> <p>BOX_ID:BXXXXXYMDXXXXXX</p> 

- On the shipping carton label, update the revision from Revision 3 to Revision 4.

## 453-00171R/453-00171C/453-00172R/453-00172C

### Carton Shipping Label

BEFORE	AFTER
 <p>ezurio UK CA CE            P/N:453-00171R PO:XXXXXXX            Revision: 3            Description:Module,*Vela IF820,            Integrated*Antenna,*T/R            Quantity:XXXX            Date*Code:SSYYWWD            Country*of*Origin:VN            Ezurio            50*S.*Main*St.*Ste.*1100            Akron,*OH*44308            www.ezurio.com</p>	 <p>ezurio UK CA CE            P/N:453-00171R PO:XXXXXXX            Revision: 4            Description:Module,*Vela IF820,            Integrated*Antenna,*T/R            Quantity:XXXX            Date*Code:SSYYWWD            Country*of*Origin:VN            Ezurio            50*S.*Main*St.*Ste.*1100            Akron,*OH*44308            www.ezurio.com</p>
 <p>ezurio UK CA CE            P/N:453-00172R PO:XXXXXXX            Revision: 3            Description:Module,*Vela IF820,            MHF4,*T/R            Quantity:XXXX            Date*Code:SSYYWWD            Country*of*Origin:VN            Ezurio            50 S.Main St.Ste.1100            Akron, OH 44308            www.ezurio.com</p>	 <p>ezurio UK CA CE            P/N:453-00172R PO:XXXXXXX            Revision: 4            Description:Module,*Vela IF820,            MHF4,*T/R            Quantity:XXXX            Date*Code:SSYYWWD            Country*of*Origin:VN            Ezurio            50 S.Main St.Ste.1100            Akron, OH 44308            www.ezurio.com</p>

## 5.2 On the development kits –

- On the PCBA labels, update the revision from Rev 5 to Rev 6.

453-00171-K1/453-00172-K1	
BEFORE	AFTER
<p>PCBA, Vela IF820 Module Dev Board, Integrated Antenna      Rev 5 P/N:940-00297       DC:1022436 S/N:00001</p>	<p>PCBA, Vela IF820 Module Dev Board, Integrated Antenna      Rev 6 P/N:940-00297       DC:1022436 S/N:00001</p>
<p>PCBA, Vela IF820 Module Dev Board, MHF4      Rev 5 P/N:940-00298       DC:1022436 S/N:00001</p>	<p>PCBA, Vela IF820 Module Dev Board, MHF4      Rev 6 P/N:940-00298       DC:1022436 S/N:00001</p>

- On the kit content label, update the revision from Rev 3 to Rev 4.

## 453-00171-K1/453-00172-K1

### BEFORE

**453-00171-K1**

1. 1 x Vela IF820 Development Board
2. 1 x Micro USB Cable
3. 5 x 2.54mm Jumper Cap
4. 6 x Female To Female Dupont Jumper Wire Cable

**Part Number: 453-00171-K1**

**Model Name: Vela IF820 Rev 3**

**Description: Dev Kit, Module,  
Vela IF820, Integrated Antenna**



**453-00172-K1**

1. 1 x Vela IF820 Development Board
2. 1 x Micro USB Cable
3. 5 x 2.54mm Jumper Cap
4. 1 x 2.4GHz FlexPIFA Antenna (Part#001-0022)
5. 6 x Female To Female Dupont Jumper Wire Cable

**Part Number: 453-00172-K1**

**Model Name: Vela IF820 Rev 3**

**Description: Dev Kit, Module,  
Vela IF820, MHF4**

### AFTER

**453-00171-K1**

1. 1 x Vela IF820 Development Board
2. 1 x Micro USB Cable
3. 5 x 2.54mm Jumper Cap
4. 6 x Female To Female Dupont Jumper Wire Cable

**Part Number: 453-00171-K1**

**Model Name: Vela IF820 Rev 4**

**Description: Dev Kit, Module,  
Vela IF820, Integrated Antenna**



**453-00172-K1**

1. 1 x Vela IF820 Development Board
2. 1 x Micro USB Cable
3. 5 x 2.54mm Jumper Cap
4. 1 x 2.4GHz FlexPIFA Antenna (Part#001-0022)
5. 6 x Female To Female Dupont Jumper Wire Cable

**Part Number: 453-00172-K1**

**Model Name: Vela IF820 Rev 4**

**Description: Dev Kit, Module,  
Vela IF820, MHF4**

- On the kit shipping carton label, update the revision from Revision 3 to Revision 4.

### 453-00171-K1/453-00172-K1

#### BEFORE

#### AFTER

**ezurio** **UK CA CE**  
 P/N: 453-00171-K1 PO: #####  
 Revision: 3  
 Description: Dev Kit, Module, Vela IF820, Integrated Antenna  
 Quantity: 20  
 Date Code: 1023363  
 Country of Origin: TW  
 Ezurio  
 50 S.Main St.Ste.1100  
 Akron, OH 44308  [www.ezurio.com](http://www.ezurio.com)

**ezurio** **UK CA CE**  
 P/N: 453-00171-K1 PO: #####  
 Revision: 4  
 Description: Dev Kit, Module, Vela IF820, Integrated Antenna  
 Quantity: 20  
 Date Code: 1023363  
 Country of Origin: TW  
 Ezurio  
 50 S.Main St.Ste.1100  
 Akron, OH 44308  [www.ezurio.com](http://www.ezurio.com)

**ezurio** **UK CA CE**  
 P/N: 453-00172-K1 PO: #####  
 Revision: 3  
 Description: Dev Kit, Module, Vela IF820, MHF4  
 Quantity: 20  
 Date Code: 1023363  
 Country of Origin: TW  
 Ezurio  
 50 S.Main St.Ste.1100  
 Akron, OH 44308  [www.ezurio.com](http://www.ezurio.com)

**ezurio** **UK CA CE**  
 P/N: 453-00172-K1 PO: #####  
 Revision: 4  
 Description: Dev Kit, Module, Vela IF820, MHF4  
 Quantity: 20  
 Date Code: 1023363  
 Country of Origin: TW  
 Ezurio  
 50 S.Main St.Ste.1100  
 Akron, OH 44308  [www.ezurio.com](http://www.ezurio.com)

### 5.3 On the USB Adapter

- On the USB adapter product label, update the revision from Rev 3 to Rev 4.

450-00185	
BEFORE	AFTER
<p>M/N:Vela IF820 Rev 3            P/N:450-00185            Contains            FCC ID:SQG-VELAIF820            IC:3147A-VELAIF820            R-C-L8C-VELAIF820USB            [R] 201-230307            D/C:SSYYWWD</p> <p>CE, UK, CA, R-NZ, and other regulatory marks.</p>	<p>M/N:Vela IF820 Rev 4            P/N:450-00185            Contains            FCC ID:SQG-VELAIF820            IC:3147A-VELAIF820            R-C-L8C-VELAIF820USB            [R] 201-230307            D/C:SSYYWWD</p> <p>CE, UK, CA, R-NZ, and other regulatory marks.</p>

- On the USB adapter bag label, update the revision from Rev 3 to Rev 4.

450-00185	
BEFORE	AFTER
<p>ezurio CE UK CA            P/N: 450-00185 Rev 3</p>	<p>ezurio CE UK CA            P/N: 450-00185 Rev 4</p>

- On the USB adapter box label, update the revision from Rev 3 to Rev 4.

450-00185	
BEFORE	AFTER
 <b>M/N:Vela IF820</b> <b>P/N:450-00185 Rev 3</b> <b>Date Code:SSYYWWD</b> <b>Qty:XXX PCS</b>  	 <b>M/N:Vela IF820</b> <b>P/N:450-00185 Rev 4</b> <b>Date Code:SSYYWWD</b> <b>Qty:XXX PCS</b>  

- On the USB adapter shipping carton label, update the revision from Rev 3 to Rev 4.

450-00185	
BEFORE	AFTER
  <b>P/N:450-00185</b> <b>Revision: 3</b> <b>Description: Assembly, Vela IF820, USB Adapter</b> <b>Quantity: 600</b> <b>Date Code: 1023406</b> <b>Country of Origin: TW</b> <b>Ezurio</b> <b>50 S.Main St.Ste.1100</b> <b>Akron, OH 44308</b>  <b>www.ezurio.com</b>	  <b>P/N:450-00185</b> <b>Revision: 4</b> <b>Description: Assembly, Vela IF820, USB Adapter</b> <b>Quantity: 600</b> <b>Date Code: 1023406</b> <b>Country of Origin: TW</b> <b>Ezurio</b> <b>50 S.Main St.Ste.1100</b> <b>Akron, OH 44308</b>  <b>www.ezurio.com</b>

## 6 Factory Effectivity

### 6.1 Factory Effectivity Date

These changes will be implemented into manufacturing as a running change, starting from the Date Codes below, for each product variant. The date code is shown on the product label, as format SSYYWWD.

SS = Supplier code

YY = last two numbers of the year (ex: 18=2018, 19=2019)

WW = Week of the year

D = day of the week (ex: Sun=1, Mon=2, Tue=3, Wed=4, Thu=5, Fri=6, Sat=7)

Ezurio Part Number	Description	Factory Effectivity – Date Codes
453-00171R	Module, Vela IF820, Integrated Antenna, Tape and Reel	0926102
450-00171C	Module, Vela IF820, Integrated Antenna, Cut Tape	0926102
453-00172R	Module, Vela IF820, MHF4, Tape and Reel	0926102
453-00172C	Module, Vela IF820, MHF4, Cut Tape	0926102
453-00171-K1	Dev Kit, Module, Vela IF820, Integrated Antenna	1026102
453-00172-K1	Dev Kit, Module, Vela IF820, MHF4	1026102
450-00185	Assembly, Vela IF820, USB Adapter	1026102

### 6.2 Inventory Management

This will be a running change.

## 7 Contact Information

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 Fax: 1(330) 434-7931

**Website** [www.ezurio.com](http://www.ezurio.com)

**Sales / Support Contact** <https://www.ezurio.com/contact>

*Product Change Notices (PCNs) will be distributed at the discretion Ezurio. Occasionally, Ezurio may adjust product revision levels for internal tracking purposes only, and customers may not receive formal notifications associated with those revision changes.*