

TRB145 Product Change Notifications

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Product change notifications (PCN) is a way of informing customers of upcoming changes related to Teltonika Networks products. This includes outward appearance adjustments, hardware improvements, changes to package contents, etc. Changes related to a product's firmware are not included in PCNs ([click here](#) to see the firmware changelog).

This page stores information regarding changes to the [TRB145](#) device. Below you will find a list of both upcoming and already implemented changes sorted by newest to oldest (top to bottom).

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2024.05.15: Hardware changes

Starting from Q3 2024, all TRB145 devices will be manufactured with modifications to the RS485 RE/DE management hardware.

PCN Number: PCN_RS485_TRB145_2024_05_15_EN

Change description

Change type	Hardware change
Detailed description	In the latest hardware revision of the TRB145 device, changes have been made to enhance the management of RS485 signalling. TRB145 will require firmware version TRB1_R_00.07.06 or newer to ensure compatibility with the hardware changes and to maintain full functionality. Important Note: Due to hardware changes, downgrading to firmware versions below, RutOS TRB1_R_00.07.06 is no longer supported.
Change reasons	Enhancement of RS485 signaling management, ensuring more stability with larger quantity of devices connected.

Affected products information

Model	Affected order codes	Order code changes
TRB145	TRB145 *****	No changes
Upcoming change date	2024 Q3	

Change impact

Risk assessment	<ul style="list-style-type: none">• Devices with the new hardware changes will not support firmware versions below TRB1_R_00.07.06.• Custom firmware built on previous SDK versions will also not be supported. Please note: this product change notification does not affect any previous TRB145 devices, except new TRB145 devices.
Suggested implementation plan	Information included in this PCN will help adapt to the upcoming changes. For more detailed information, please contact your sales representative.



Acknowledgement of PCN receipt

If no feedback is received within two weeks after the issue date of this notification - Teltonika may accept that this change has been tacitly accepted and can implement the change as indicated above.

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2024.05.15: SMA Connector Update

Starting from August 2024, TRB145 devices will be manufactured with updated SMA connectors.

PCN Number: PCN_TRB145_SMA_2024.05.15		
Change description		
Change type	Hardware change	
Detailed description	Starting in August 2024, TRB145 devices will be manufactured with updated RP-SMA and SMA connectors. This update will not affect the functionality of the SMA connectors; it is only a change in their form. In the photos displayed below, you can see the change. Please note that this change will be implemented gradually, throughout a 3-month transitional period starting in August 2024. During this period, your shipments of TRB145 may consist of either the current design or the new one described above. Current design:  Updated design: 	
Change reasons	This will improve the effectiveness of device manufacturing.	
Affected products information		
Model	Affected order codes	Order code changes
TRB145	TRB145 *****	No changes
Upcoming change date	August 2024	
Change impact		
Risk assessment	No risk factors are associated with this change. Please note: this product change notification does not affect any previous TRB145 devices, except new TRB145 devices that will be manufactured with this change.	
Suggested implementation plan	Information included in this PCN will help adapt to the upcoming changes. For more detailed information, please contact your sales representative.	
Acknowledgement of PCN receipt		
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2024.03.08: Reset button functionality change RutOS 7.07

With the release of RutOS version 7.07, TRB145 device will experience changes related to the security improvements of the device.

PCN Number: PCN_RUTOS_CHANGE_2024_03_08_EN		
Change description		
Change type	Firmware change	
Detailed description	Previously, during device resets, logs, RMS connection state data, and SIM PIN settings remained unchanged. However, starting with RutOS firmware version 7.07, all devices will uniformly reset logs, RMS connection state data, and SIM PIN settings to factory defaults when using the reset button. Other reset methods, including WebUI, SMS, and others, will remain unimpacted by this change.	
Change reasons	Increasing security	
Affected products information		
Model	Affected order codes	Order code changes
TRB145	TRB145 *****	No changes
Upcoming change date	2024 Q2, with the release of RutOS 7.07	
Change impact		
Risk assessment	<ul style="list-style-type: none">The loss of device logs upon utilizing the reset button may disrupt operational records and slow down subsequent troubleshooting efforts.Failure to set up the SIM PIN post-reset via the reset button may result in SIM card lockout due to repeated incorrect PIN entries, causing service disruption and requiring either SIM replacement or PIN reset.The device is still visible in RMS post-reset but cannot be accessed. Therefore, re-adding the device to RMS is necessary for continued access.	
Suggested implementation plan	Information included in this PCN will help adapt to the upcoming changes. For more detailed information, please contact your sales representative.	
Acknowledgement of PCN receipt		
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2023.10.16: Firmware Requirement Change

Starting from November 2023, all TRB145 devices will be manufactured with a new firmware version. They will require firmware version TRB1_R_00.07.05 or newer.

Change description

Change type Firmware Requirement Change
Starting November 2023, all TRB145 devices will be manufactured with a new firmware version. They will require firmware version TRB1_R_00.07.05 or newer. Downgrading to previous firmware versions will no longer be supported.
Please note that this change will be implemented gradually, throughout a 4-month transitional period starting from November 2023. During this period, your shipments of TRB145 may consist of either the previous version or the new one described above.

Detailed description

Change reasons

Support
for
newest
Quectel
modem
firmware

Affected products information

All TRB145 ***** product codes are affected. No product code changes.

Product release date November 2023

Change impact

Risk assessment No risk factors are associated with this change.

Please note: this product change notification does not affect any previous TRB145 devices, except new TRB145 devices.

Suggested implementation plan For more detailed information please contact your sales representative.

Acknowledgement of PCN receipt

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2023.02.13: MAC address range change

All Teltonika Networks devices manufactured starting from 2023, week 9 will have additional new MAC address range.

Change description

Change type MAC address range

Detailed description All Teltonika Networks devices manufactured starting from 2023, week 9 may have a MAC address from the new MAC address range **20:97:27:00:00:00 - 20:97:27:FF:FF:FF**, as well as the current MAC address range 00:1E:42:00:00:00 - 00:1E:42:FF:FF:FF

Change reasons Endpoint of the previous MAC address range.

Affected products information

Model Affected order codes Order code changes

All Teltonika Networks devices All order codes No changes

Upcoming change date 2023, week 9

Change impact

Risk assessment Device install procedures or any automated solutions might need modifications.

Suggested implementation plan For more detailed information please contact your sales representative.

Acknowledgement of PCN receipt

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2022.11.25: Default password change

All TRB145 devices manufactured starting from 2022, week 50, will have unique default password.

Change description

Change type Default password change.

Detailed description TRB145 devices manufactured starting from Q4 2022 will have unique default password.

Change reasons Increasing device security.

Affected products information

Model Affected order codes Order code changes

TRB145 TRB145 ***** No changes

Upcoming change date 2022, week 50

Change impact

Risk assessment Device install procedures or any automated solutions might need modifications. **Please note:** this product change notification does not affect any previous TRB145 devices.

Suggested implementation plan For more detailed information please contact your sales representative.

Acknowledgement of PCN receipt

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2022.11.25: QSG flyer replacement

Starting from 2022, week 50, TRB145 gateway will come with a new QSG flyer in the packaging.

Change description

Change type Replacement of QSG flyer

Detailed description TRB145 devices manufactured starting from Q4 2022 will have a new QSG flyer in the packaging. The new QSG flyer includes the short version of QSG with a QR code/link to the full Web QSG version: teltonika-networks.com/QSG_TRB145

Previous design:

New design:

The new flyer will include QR codes with URL links to RMS and the Web version of the QSG (Quick Start Guide) for the TRB145.

Change reasons Reducing environmental impact.

Affected products information

Model	Affected order codes	Order code changes
TRB145	TRB145 *****	No changes
Upcoming change date	2022, week 50	

Change impact

Risk assessment Marketing material such as photos might need replacing.

Suggested implementation plan Information included in this PCN will help adapt to the upcoming changes.

Acknowledgement of PCN receipt

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2022.11.25: Changes in engraving/labeling

Starting from 2022, week 50, TRB145 gateways will be produced with modified bottom engraving/labeling.

Change description

Change type External/visual

Detailed description The device's unique default password will be added to the bottom engraving/labeling. The formatting for the remaining information on the labeling/engraving will be adjusted, and the Fira font will be used instead of Arial. The device's unique default password information will also be added to the QR code Information displayed after scanning QR code with syntax: SN:{{SN}};I:{{IMEI}};M:{{MAC}};U:admin;PW:{{DEVICEPASSWORD}};B:{{BATCH}};

From the device top engraving/labeling, the previously relevant authentication information text will be removed: **User/Pass: admin/admin01**.

The labeling on the product packaging will stay unchanged.

Old top engraving/labeling:

Old bottom engraving/labeling:

New top engraving/labeling:

New bottom engraving/labeling:

Change reasons To accommodate the change from the standard default password to a unique default password for each device.

Affected products information

Model	Affected order codes	Order code changes
TRB145	TRB145 *****	No changes
Upcoming change date	2022, week 50	

Change impact

Risk assessment Changes to top labeling/engraving. Device's unique default password will be present on the product itself. This might impact marketing materials due to changing contents of the bottom informational engraving/labeling.

Suggested implementation plan No implementation plan needed.

Acknowledgement of PCN receipt

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2020.08.14: changes in bottom labeling

Effective 2020, week 36, TRB145 gateways will be produced with modified bottom labeling/engraving.

Change description

Change type	External/visual
Detailed description	The product code will be removed from the bottom labeling/engraving. The formatting for the remaining information on the labeling/engraving will be adjusted. Product code information will also be removed from the QR code. The labeling on the product packaging will stay unchanged.
Change reasons	Old version: <input type="checkbox"/> New version: <input type="checkbox"/> Placing product code on the product itself is misleading, product code describes what is included in the product equipment package, not in the product itself.

Affected products information

All TRB14* ***** product codes are affected. No product code changes.

Product release date 2020, week 36

Change impact

Risk assessment The exact product code will not be present on the product itself, the exact product code will be found on the packaging box or determined by serial number. This might impact marketing materials due to changing contents of the bottom informational laser engraving.

Suggested implementation plan No implementation plan needed

Acknowledgement of PCN receipt

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2020.06.12: RUTOS support

Effective since June 03, 2020, TRB145 support RutOS v2.3, available at [TRB145 Firmware downloads](#).

Change description

Change type	Firmware
Detailed description	Added RutOS Support for TRB14x series gateways
Change reasons	Until now different TRB series gateways had their own FW version depending on LTE module. After this update FW will become common to all TRB14x gateways.

Affected products information

Model	Affected order codes	Order code changes
TRB145	TRB145 *****	No changes

Change impact

Risk assessment Migration from TRB1450_R_00.01.06.1 or older requires [Legacy firmware](#)
RutOS v2.3 includes Basic and Advanced modes, so some functionality may appear missing until Advanced mode is selected

Suggested implementation plan Special preparations are unneeded

Acknowledgement of PCN receipt

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2019.05.30: New housing

Effective July, 2019, TRB145 devices will be produced with new rugged housing.

Change description

Change type	Rugged housing standard order code added
Detailed description	Power supply unit changed Before: <input type="checkbox"/> After: <input type="checkbox"/>
Change reasons	Improved ruggedness.

Affected products information

Standard order code will include housing

Device	New standard code	Optional order code (without housing)
TRB145	TRB145003000	TRB145000000
Product release date	July, 2019	

Change impact

Risk assessment Pricing and lead time may be subject to change.
Marketing material such as photos or specification changes.

Suggested implementation plan Updated marketing material can be found [here](#). For more detailed, information please contact your sales representative.**Acknowledgement of PCN receipt**



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2019.05.20: Power supply unit (PSU) changed

Effective June, 2019, TRB145 devices will be sold with new power supply units (PSU).

Change description

Change type	Power supply		
Detailed description	Power supply unit changed		
	Current PSUs:		New PSUs:
			
	PSU specifications		
	Electrical	9 VDC, 1 A (9 W)	9 VDC, 0.5 A (4.5 W)
		EU: 26 x 74 x 43 mm	EU: 26 x 59 x 41 mm
		UK: 48 x 73 x 47 mm	UK: 50 x 62 x 49 mm
	Dimensions	US: 26 x 74 x 43 mm	US: 26 x 59 x 41 mm
		AU: 40 x 74 x 51 mm	AU: 41 x 59 x 49 mm
Change reasons	Power supply optimized for TRB14x series devices.		

Affected products information

Model	Affected order codes	Order code changes
TRB14*	TRB14* *****	No changes
Product release date	June, 2019	

Change impact

Risk assessment Marketing material such as photos or specification changes.
Marketing material can be found [here](#).

Suggested implementation plan PSU datasheets can be found [here](#)
Information included in this PCN will help adapt to the upcoming changes.**Acknowledgement of PCN receipt**

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