

# RUT301 Firmware checksum list

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## Summary

A **checksum** is a sequence of hexadecimal symbols generated after running an algorithm called a cryptographic hash function on a file. Calculating a checksum and comparing it with the one provided by the file source can be used as a file authenticity check method.

For example, if you download a file like a firmware image, you should be able to calculate that file's checksum and, if the file is authentic, the checksum should match the one provided by the file's source. If the checksums don't match, it means the file's contents were tampered with, for example, by a malicious third party attacker. This file is probably dangerous and shouldn't be trusted.

## Checksum list

Firmware file checksums are listed by firmware release date, from newest to oldest (top to bottom).

FW version	MD5 checksum	SHA256 checksum
RUT301_R_00.07.08	6a8014d5b18a82cd3871cbefc4fc01c2	bb43ea3b432f40a6a6153c6671d971776d2989ee4dba10167b2e47e5fee8dd75
RUT301_R_00.07.07.3	ad89f77938ae6a503cc262da5f005e0e	ecd7f8f416682f47021dd94aa04c224c527c0701219ce65a9d5453409181830d
RUT301_R_00.07.07.2	c1ddf715d6d2cacda4389d562293576d	382849412b5d79f7f3bc3bd8eab807ff1c1651e323011127794f92c721909676
RUT301_R_00.07.07.1	b5ead34ef50362e31c5a7ddfa22c4bd7	0a2fffd0a94167197fe2146bcd44b28c9d5b5bf4d9313f46ed79687255f0e5e6
RUT301_R_00.07.06.10	eb33518fa5d304c306598251f1b22ef4	370be624adda63999cf544c0e19027ec0f9c03c71ae7c195e36e0fe3e9c1dad
RUT301_R_00.07.06.8	a869833415fa31e8f4ccd9c3f865858c	9269017aae863cebea6cdf315b2cf3cd3b188de0f0cc3867ea693d3e6a2ea5f
RUT301_R_00.07.06.6	1f4aaf2b082306c26d38402dd5a46dcb	6e985511d8ae6d027d6f68619598d0b54470f04ad30f8cd5004960ba333c0c7a
RUT301_R_00.07.06.5	289a7a2d7744b888cba73a001c036d7b	1192e4b54fc172978cc41b80d410795f48094c2178545bbfba6f76fdc680e4ce