RuggedVPN Firmware Release 2021083070/2021101150 for Viprinet and Wantastic products; November 2021

The focus in this release has been fixing minor issues reported by our customers. In addition to this, the release is bringing minor speed/throughput improvements for a range of devices.

Important pre-installation instructions:

- **Protect the Elderly:** Very old routers (6+ years), especially Multichannel VPN Router 300 units that have been operated at sub-optimal temperature ranges often will have a faulty/very aged flash memory, and sometimes drained batteries or capacitors. Quite often they still work absolutely normally, but as soon as the flash is written, it fails. For those old routers installing this firmware update may cause the flash to finally die, with the router no longer starting.

  Therefore when updating those routers, please take extra care. Make sure you have taken a config backup, and have a replacement device in case something goes wrong.

  Please consider retiring old 300 Routers soon. Our VLM Support system allows your for very cost-efficient upgrades to the current 310 model.

- This firmware release is backward-compatible to old releases, including the ones from back in 2018. This means you can first upgrade the Hub, and then upgrade the Node router at a later point. Please note however that all performance enhancements will only be seen once both sides are updated.

- **AES-NI required for Virtual VPN Hubs:** Since last year, all releases of the Viprinet Virtual VPN Hub now require the presence of the AES-NI CPU instruction set. This is the case with pretty much all Intel and AMD CPUs that have been sold during the last 5 years. However, in some cases on very old server the instruction set may have been disabled in the BIOS. While VMWare pass through the instruction set to guests once they are enabled on the host machine, other Hypervisors (which we do not officially support) may not. Before upgrading your Virtual VPN Hub please make sure that AES-NI is available to your VM.

Changes compared to the May 2021 (2021032270/2021041650) Release:

- Under certain circumstances, the "Module info" tool showing detailed information about WAN modules was broken on 2620 devices.

- The internal dns resolver was broken when the internal transfer network was changed from the default values.

- In the May 2021 release, it was impossible to use the two additional SIM card slots provided by the new MultiSIM 4G module variants.

- The following routers have received a slight boost in maximum bonding throughput: 310, 2620, 2030, 5010. The 310 is now reaching up to 170 Mbit/s of throughput in real-life use cases.