

Product Release Notice

Update 1 for RTX64 3.0

General Availability Release Date

December 21, 2016

Product Overview

Update 1 for RTX64 3.0 is the latest 64-bit version of IntervalZero's market-leading hard real-time software products. This release provides new features, usability improvements and resolved issues related to the RT-TCP/IP Stack. Update 1 for RTX64 3.0 can be downloaded [here](#).

Release Highlights

- Adds set/get IP_DONTFRAGMENT socket option support for UDP and ICMP protocols. (5305)
- Incorporates a new RTX64 Realtek 8168/8111 driver that provides updated support for the Realtek PCIe GBE Family Controller (PCI vendor ID 0x10EC) for RTX64.

Features and Resolved Issues

Update 1 for RTX64 3.0 includes new functionality and resolves a number of previously reported issues related to the RT-TCP/IP Stack. See the product Release Notes for a full list of new features and resolved issues.

- Resolves an issue where the Winsock API function select does not behave the same in the RTX64 environment as it does in the Windows environment. (3844)
- Resolves an issue where the RTX64 Rt10GB driver does not report link speed or duplex correctly when RtnRequest is called. (5413)
- Resolves an issue where the Real-Time Network function RtnEnumPciCards fails to find PCIe devices. (5406)

- Resolves an issue where the RT-TCP/IP Stack sends out a fragmented IP packet with the wrong length in the UDP header when sendto or send is called on a UDP socket with data length larger than 65,527 bytes (the maximum allowed data pay load over UDP).
- Resolves an issue where the loader does not receive Stack symbols unless a Stack API was called in the main process. (5352)
- Resolves an issue where the RT-TCP/IP Stack would hang when the select function is called as select (0,NULL,NULL,NULL,NULL). (4373)

Activation & Licensing

Update 1 for RTX64 3.0 requires RTX64 3.0 to already be installed and licensed. The IntervalZero product licensing system allows for flexibility in how features are activated and deployed. Please [click here](#) for an overview of IntervalZero product licensing.

For additional information on deployment, please refer to the *[RTX64 Deployment Guide](#)*.

Availability

Update 1 for RTX64 3.0 is available beginning December 21, 2016 through Partners and by contacting Sales: sales@intervalzero.com or (781) 996-4481.

We look forward to any comments and feedback. If you have any recommendations, or wish to suggest any product enhancements, please contact Product Management at: productmanagement@intervalzero.com.