MercuryOS 2.4.25 Release Notes

This document describes the new features, bug fixes and outstanding issues for the MercuryOS v.2.4.25 release relative to the MercuryOS 2.4.23 release:

New Features

This release offers the following features and enhancements

Improved ISO 18000-6b Performance

Performance for access operations and multi-tag reading scenarios has been improved for the ISO 18000-6b protocol.

Bug Fixes

MercuryOS v. 2.4.25

- EBV support fixed -Reading memory contents at addresses greater than 0x80 for the GEN2 protocol now works.

Outstanding Issues

MercuryOS v. 2.4.25

- During a query of 10 or fewer EPC0 tags not all antennas use all frequencies in the hop table. This is not regulatory violation, but may affect performance.
- Attempts to write to locked data blocks of ISO 18000-6b tags return successful response even though data is not written.
- Some data blocks of some ISO 18000-6b tags cannot be reliably locked.
- A locked Gen2 tag must be placed in the secured state before data write/data read/ lock/kill/password functions can be performed. The lock and kill functions implement this behavior. The data write, data read and password functions do not. In order to perform these functions the tag must first be unlocked.
- Cannot write EPC value to ISO 18000-6b tags in EU region.
- The Kill command does not work on Gen2 tags in the EU region.
- Changing the “Fallback IP Address” setting causes the web interface to become unavailable until the reader is rebooted.
- The web interface settings page allows invalid “IP address” settings to be entered and saved on the Mercury 4.
- Attempting to write a single byte EPC for Gen2/ISO 18000-6C in RQL causes undesired behavior.
- Operating the device in “Higher Performance” mode when the Gen2/ISO 18000-6C session is 3 can output incorrect power or a corrupted transmit waveform.
- Read/Write Tag Data, Lock, Kill Password do not work in EPC1 in RQL or the C-API.
- Lock and Kill Password commands do not work in EPC0 in RQL or the C-API.
- Lock Tag ID and Read/Write Tag Data do not work in ISO18000-6B in RQL or the C-API.