

## turboIP 5.1.1 Release Notes

Approval Signatures			
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Applicability
<p>This is the release notes for turboIP Version 5.1.1 (fw10452W). This release includes:</p> <ol style="list-style-type: none"> <li>1. upgrade file from turboIP Version 4.7.1 to Version 5.1.1,</li> <li>2. full turboIP Version 5.1.1 image (for factory),</li> <li>3. Comtech Master MIB File: fw-0000011W.mib</li> <li>4. turboIP Private MIB file: fw-0000012W.mib</li> </ol>

Revision History			
Rev #	Description	Date	Prepared by
-	Version 1.0	Sept. 5, 2003	N/A
A	Version 2.5.5.3	Jan. 6, 2004	Peter S. Heck
B	Version 2.6	Jan. 20, 2004	Peter S. Heck
C	Version 2.6.1	May 28, 2004	Peter S. Heck
D	Version 2.6.2	Sept. 1, 2004	Peter S. Heck
E	Version 2.6.3	Nov. 30, 2004	Peter S. Heck
F	Version 2.6.4 (non-operational carrier image to migrate to V 3.0.0)	April 12, 2005	Jim Pausch
G	Version 3.0.0	April 12, 2005	Jim Pausch
H	Version 3.1.0	Sept. 14, 2005	Jim Pausch
J	Version 4.0.0	May 12, 2006	Randy Montgomery
K	Version 4.0.1 (includes FAST feature per Version enable)	July 27, 2006	Randy Montgomery
L	Version 4.3.0	October 23, 2006	Randy Montgomery
M	Version 4.4.0	Dec 04, 2006	Randy Montgomery
N	Version 4.5.0	Feb 15, 2007	Randy Montgomery
P	Version 4.5.1	May 03, 2007	Randy Montgomery
R	Version 4.5.2	July 6, 2007	Randy Montgomery
T	Version 4.5.3	August 30, 2007	Randy Montgomery
U	Version 4.6.0	December 4, 2007	Randy Montgomery
V	Version 4.7.1	October 14, 2008	Randy Montgomery
W	Version 5.1.0	September 27, 2010	Randy Montgomery

FSCM No. 4J515

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## Upgrade

- The turboIP Version 5.1.1 release is an upgrade for turboIP Version 4.7.1 ONLY.
- Version 5.1.1 is **recommended** for all field-installed turboIP systems. This release includes a single upgrade file that must be downloaded to the unit from a FTP server through the upgrade screens on the HTTP or CLI interfaces. See **IMPORTANT NOTES** below for special 5.1.1 upgrade instructions pertaining to upgrade zip file.
- Do not “unzip” the upgrade file since it is in a proprietary format.

### **IMPORTANT NOTES**

**NOTE 1: If the turboIP is running any version that is older than version 4.7.1, it must first be upgraded to version 4.7.1 with separate upgrade files. Please refer to Upgrade Instructions V471.pdf.**

## New Features

1. *IP Version 6 (IPv6) Support*
2. *WAN Optimization Package* – FAST option is now available to turn on WAN Optimization package that includes: WebCache (HTTP Cache system), CIFS (Common Internet File System), DRE (Data Redundancy Elimination), and Persistent LZ. **Please note this option is not available on this platform.**
3. *Dedicated 3<sup>rd</sup> NIC Added for Management Traffic* – A third physical NIC has been added to the system to allow for physical, not just logical, segmentation of management traffic.
4. *Increase Session Support* - Accelerated session support has been increased to 10,000, with up to 40,000 memorized idle session support. Any sessions above 10,000 with traffic will still pass without acceleration applied.
5. *Proxy Position with Policy Based Routing Support* – The box can now be taken out of line and placed in a network appliance position, in conjunction with the use of PBR for routing only specific traffic to the box.
6. *Selective Acknowledgement (SACK) Support* – SACK allows the TCP session to acknowledge individual TCP packets that were lost during transmission. This greatly reduces retransmission of complete packet segments, that typically occur with standard TCP when a packet is lost early or in the middle of a window segment.
7. *Export/Import Configuration* – Feature allows user to store configuration to a file and export. The user can also import a configuration file and the box will accept and reconfigure. To import a file, box IP and subnet must be configured. turboIP will require reboot after configuration file import.

## **Bug Fixes**

Please note this is a feature release only.

## **Backward Compatibility**

A turboIP unit running V5.1.1 is verified compatible with turboIP units running V4.5.X and greater. No guarantee is being provided, at this time, that V5.1.1 will be compatible with versions before V4.5.X. However, to avoid performance degradation and future compatibility issues, a network-wide upgrade of all units to V5.1.1 should be performed.

## **Known Issues**

*All known issues relate to the WAN Optimization package, which is not available on this platform.*