RELEASE NOTES
SNMPWEBCARD Version 12.06.0069
2-NOV-2016

Firmware Version 12.06.0069.13078.12917 'v069'
Driver (pwralert.dat) file Version 12.06.0069.13078.12917

IMPORTANT NOTES:

FIREWALL PORTS

Communications on TCP and UDP ports 3664, 3665, and 4150 must be open
between your browser computer and SNMPWEBCARD in order for the Java
User Interface to function correctly.

NOTE FOR NMS USERS
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* The legacy TRIPPLITE-MIB.txt was updated with 12.06.0068. If you
have not already updated and you anticipate adding devices that are
networked via WEBCARDLX to your NMS, download and install the new
TRIPPLITE.MIB files per the readme included in the package.

NOTES REGARDING JAVA USE IN WEB BROWSERS
(IE11 AND FIREFOX ARE SUPPORTED)
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* THIS RELEASE SUPPORTS JAVA RUNTIME ENVIRONMENT 8.
As a result of security changes made by Oracle in Java 8, to use HTTPS
with Java 8, you will first need to change the advanced configuration
settings of Java on the client computer to use TLSv1.0 only. For Web
Access Tips and Troubleshooting refer to the WEB ACCESS CONFIGURATION
AND TROUBLESHOOTING GUIDE in the Documentation folder of this firmware
distribution.

* Certain customers have experienced difficulty using Oracle's Java web
browser plug-in or have disabled Java applets within their Web Browsers
for security reasons. These users must manually install the Java
Console or use Telnet or ssh to access user interfaces for control and
configuration of SNMPWEBCARD.

* If you experience problems with newer versions of Java as a result
of MD5 support being removed, refer to the Web Access Configuration
and Troubleshooting document in the Documentation folder within the
SNMPWEBCARD Firmware Update Package.

NOTE TO POWERALERT NETWORK SHUTDOWN AGENT (NSA) USERS

PowerAlert Network Shutdown Agent (NSA) v12.04.0053 does not support the
SNMPWEBCARD firmware version 12.06.0062 or later. Customers installing

SNMPWEBCARD firmware version 12.06.0069 in an environment with
PowerAlert NSAs installed must upgrade all PowerAlert NSAs to
v12.04.0056 or later.

REQUIREMENTS
Refer to the Installation Manual and User Guide for details on installation and
usage of SNMPWEBCARD.

BUG FIXES INCLUDED IN 12.06.0069

  o Alarm is now properly triggered for Input Bad event on devices with
     protocol 5012
  o Main load control can now be used to remotely return an Online UPS to
     online mode from bypass

GENERAL ENHANCEMENTS

  o Internal process watchdog was enhanced to monitor for three consecutive
     failures to back-up the in-memory database to flash to resolve a condition
     where SNMPWEBCARDS are pingable but not accessible via remote interfaces
  o Watchdog was enhanced to monitor for too many users logged in on any user
     interface to resolve the condition where a user with proper credentials
     is unable to log in

KNOWN ISSUES

  * SRCOOL33K is not supported in this release. For support for SRCOOL33K
    downgrade to version 12.06.0062.
    Reference downgrade instructions at end of release notes

UPGRADING FIRMWARE ON YOUR SNMPWEBCARD

PLEASE READ THIS ENTIRE DOCUMENT BEFORE ATTEMPTING TO UPGRADE YOUR SNMPWEBCARD
FIRMWARE!

IT IS RECOMMENDED THAT YOU USE THE MASSUPDATE.EXE UTILITY INCLUDED IN THE
UTILITY DIRECTORY OF THE FIRMWARE BUNDLE TO UPGRADE YOUR SNMPWEBCARD. THE
UPDATER ENSURES THAT THE UPGRADE IS DONE CORRECTLY WITH APPROPRIATE PAUSES AS
THE CARD IS UPDATED, REBOOTED, AND THE DEVICE DRIVER FILE IS UPDATED.

SEE THE FILE MASS-UPDATER-INSTRUCTIONS.TXT FOR INSTRUCTIONS ON HOW TO USE THIS
UTILITY.

* * * * * * * IMPORTANT NOTE: IF YOU ARE UPGRADING FROM VERSION 12.06.0061 OF
* * * * * * * SNMPWEBCARD YOU MUST DO THE FOLLOWING BEFORE UPGRADING THE SNMPWEBCARD
* * * * * * * USING MASSUPDATE.EXE:

1)   CONNECT A LAPTOP TO THE CONSOLE PORT OF THE SNMPWEBCARD VIA THE CONSOLE
       CABLE INCLUDED WITH YOUR SNMPWEBCARD. COMM SETTINGS ARE 9600,N,8,1
2)   REBOOT THE SNMPWEBCARD BY PRESSING THE RESET BUTTON OR CYCLING POWER.
3)   PRESS THE SPACEBAR WHEN PROMPTED "Press any key in 5 seconds to change

theses settings".
4)   PRESS M TO MODIFY THE SETTINGS (DEFAULT PASSWORD IS 'TrippLite').
5)   PRESS ENTER UNTIL PROMPTED "Do you wish to configure the advance
     settings [y/n]"
6)   PRESS Y TO CONFIGURE ADVANCED SETTINGS
7)   PRESS ENTER TO LEAVE MAC ADDRESS UNCHANGED
8)   PRESS Y AT EACH OF THE FOLLOWING PROMPTS:
     Do you want to clear the database? [y/n] y
     Do you want to clear foreign language files? [y/n] y
     Do you want to purge the crypto store? [y/n] y
     Do you want to completely erase the file system? y
     Are you sure you want to completely erase the file system? y
9)   PRESS ENTER THROUGH ALL REMAINING PROMPTS. CARD WILL REBOOT.
10)   PROCEED TO UPGRADE THE CARD USING THE FTP INSTRUCTIONS BELOW. PLEASE
     NOTE THAT AFTER INSTALLING THE pwralert.dat FILE YOU MUST REBOOT THE
     CARD MANUALLY BY PRESSING THE RESET BUTTON OR CYCLING POWER.

PROCESSES FOR MANUAL UPGRADES

********** DO NOT ATTEMPT TO UPGRADE SNMPWEBCARD   ************
********** WHILE OPERATING ON BATTERY POWER.   ************

********** PLEASE BE PATIENT. ABORTING THE UPGRADE ************
********** PROCESS CAN RESULT IN AN UNUSABLE CARD! ************

PLEASE NOTE THAT UPGRADING THE CARD TAKES SEVERAL MINUTES. CANCELING OR
RESETTING THE CARD BEFORE THE PROCESS IS COMPLETE MAY RENDER YOUR CARD
INOPERATIVE.

CRITICAL NOTICE FOR UPGRADING FROM VERSIONS 12.04.0047 OR EARLIER:
IF YOUR SNMPWEBCARD is running version 12.04.0047 or earlier, your card is
incompatible with this version of firmware and cannot be upgraded to use it.

CRITICAL NOTICE FOR UPGRADING FROM VERSIONS PRIOR TO 12.04.0055:
IF YOU ARE UPGRADING FROM VERSIONS PRIOR TO 12.04.0055 YOU MUST FIRST UPGRADE
THE CARD TO VERSION 12.04.0055 BEFORE UPGRADING TO VERSION 12.06.0067. VERIFY
WHICH VERSION IS RUNNING ON YOUR SNMPWEBCARD PRIOR TO ATTEMPTING TO UPGRADE.
FAILURE TO DO SO MAY RESULT IN INCORRECT OPERATION OF THE CARD AND VOID YOUR
WARRANTY. A COPY OF VERSION 12.04.0055 CAN BE OBTAINED FROM THE TRIPP LITE
WEB SITE IF THIS INTERMEDIATE STEP IS REQUIRED.

TO VERIFY VERSION NUMBER:
Version numbers for 12.04.0055 and previous can be found on the Device
Information panel on the web user interface next to "Firmware Version".

Version numbers for 12.06.0060 and later can be found at:

     http://<ip-address>/rss/poweralert.rss
or
     https://<ip-address>/rss/poweralert.rss

FILENAMES:
When upgrading from version 12.04.0054 or earlier, follow the steps for
upgrading via FTP below using 'rom.55.0.bin' as the upload filename. When
completed, repeat the steps below using 'rom.69.0.bin' as the upload
filename.

END CRITICAL NOTICE FOR UPGRADING FROM VERSIONS PRIOR TO 12.04.0055

*************** UPGRADE REQUIREMENTS AND STEPS *******************************

WARNING: ALL DATA ON THE SNMPWEBCARD WILL BE LOST EXCEPT FOR NETWORK SETTINGS.
IF THE UPGRADE FAILS, RECOVERY OF THE SNMPWEBCARD WILL NOT BE POSSIBLE OVER THE
NETWORK AND WILL REQUIRE PHYSICAL SERIAL CONNECTION TO THE CARD VIA RS-232 CABLE.

General Upgrade Requirements To Upgrade to Version 12.06.0069
1) Tripp Lite UPS/PDU with SNMPWEBCARD firmware version 12.04.0055, 12.06.0060
   or later
2) FTP utility

NOTES - After upgrading, ensure correct versions are installed by checking the
HELP tab in the User Interface for the following version information:

PowerAlert Driver Version   12.06.0069.
PowerAlert Engine Version   12.06.0069.

You may only transfer one file at a time to the SNMPWEBCARD. Transfer the rom
image rom.68.0.bin first, then transfer the pwralert.dat file.

In examples below, where prompted to type in commands, enter the text between
the tic marks and press ENTER.

FILENAMES TO BE USED WHEN UPGRADING SNMPWEBCARD:
   Where indicated below, <filename> should be replaced with one of the
   following filenames:
      If updating from firmware version 12.06.0061 or later use
      'rom.12.069...sbz2'.
      If updating from firmware version 12.04.0055 or version 12.06.0060 use
      'rom.69.0.bin'.
      If updating from firmware version before 12.04.0055, use 'rom.55.0.bin'.
      If updating the driver file, use 'pwralert.dat'.

      IMPORTANT: If re-installing v0069 onto v0061 or later, use
              'rom.12.069...sbz2'.
        Note that v0061 and later will ignore .bin files that are transferred.

STEPS FOR FTP UPGRADES (ALL VERSIONS):
Requirements:
1) Current SNMPWEBCARD with version 12.04.0050 or later
2) FTP utility.

Steps:
1) Change directory to directory of the unzipped firmware package that contains
the appropriate upgrade image (.bin or .sbz2 file)
   and pwralert.dat file.
2) FTP to the IP address of the card to upgrade.
3) Login (default username and password is localadmin/localadmin).
4) Type 'bin' to enable binary file transfer.
5) Type 'put <filename>' where filename is the name of the image to upload
   (see FILENAMES above).
6) The new image will upload and when the FTP finishes, type 'bye'
7) The card will reboot. Be patient. After several minutes the SNMPWEBCARD will
   be ready to accept connections. Note that RSA and DSA key generation can

extend this time to more than 10 minutes.
8) FTP to the IP address of the card to upgrade.
9) Login (default username and password is localadmin/localadmin).
10) Type 'bin' to enable binary file transfer.
11) Type 'put pwralert.dat'
12) Type 'bye'
13) The card will reboot. Be patient. After several minutes the SNMPWEBCARD
    will be ready to accept connections. Note that RSA and DSA key generation
    can extend this time to more than 10 minutes.

DOWNGRADING FROM 12.06.0069 TO PREVIOUS FIRMWARE VERSIONS (12.06.0062,
12.06.0063, ETC)

General Downgrade Requirements to Downgrade from 12.06.0069 to 12.06.0062

NOTE: DOWNGRADING AN SNMPWEBCARD REQUIRES THE DELETION OF INTERNAL DATA FILES.
PLEASE NOTE THAT YOU WILL LOSE ALL SETTINGS BY FOLLOWING THE STEPS BELOW:

1) Download the appropriate firmware version that applies to your product. If
you cannot locate the appropriate files contact Tripp Lite Support at
773-869-1234 before proceeding with firmware downgrade.
2) Connect a laptop to the console port of the SNMPWEBCARD via the console cable
included with your SNMPWEBCARD. COMM settings are 9600,N,8,1.
3) Follow the same FTP instructions detailed in the above Upgrade Requirements,
but substitute the v62 sbz2 file for the v68 sbz2 file in the steps provided.
The SNMPWEBCARD will auto-reboot.
4) Press the spacebar when prompted "Press any key in 5 seconds to change these
settings".
5) Press M to modify the settings (default password is "TrippLite")
6) Press ENTER until prompted "Do you wish to configure the advance settings
[y/n]"
7) Press Y to configure advance settings
8) Press ENTER to leave MAC Address unchanged
9) Press Y at each of the following prompts:
        Do you want to clear the database? [y/n] y
        Do you want to clear the foreign language files? [y/n] y
        Do you want to purge the crypto store? [y/n] y
        Do you want to completely erase the file system? [y/n] y
        Are you sure you want to completely erase the file system? [y/n] y
9) Press ENTER through all remaining prompts.
10) Follow the same FTP instructions detailed in the above Upgrade Requirements
to upload the v062 or v063 pwralert.dat file.
    The SNMPWEBCARD will auto-reboot.

END RELEASE NOTES