

## AlphaSense Changelog AFN-100

Below is a listing, by firmware release version, of the "more significant" features and other changes made. Less important items are not listed, and cumulative changes are shown where version numbers are skipped.

The most recent version is at the top of the list.

### Version 4.70

- add support for up to 8 I/O modules – up to 112 digital I/O channels.
- add options to expand ruleset quantity for AFN-100 – 20, 50, or 100 total.
- Display ruleset quantity on the status page.

### Version 4.65

- lengthen emaddr ruleset field to 70 characters to provide improved support for multiple address deliveries.
- add parameter msgoff to configuration file – disables all input data messaging.

### Version 4.60

- add support for AFN\_DCP feature package. The "Direct-Connect" feature is the same as DFP, except that dialout modem message delivery is replaced with support for direct-connection to paging and other wireless messaging transmitters. While previous AFN versions have also supported interfacing to in-house and on-site messaging systems via their modem interfaces, the AFN\_DCP will enhance AFN for these applications.
- add support for a timestamp to be appended to email message deliveries.
- add ability to email parameter and ruleset config files on-demand. This makes it easy to "keep a copy" of both configuration file contents.
- add support for user-activated email session debugging messages to log.
- update AFN-internal and website instruction files for new features.

### version 4.50

- refine and add additional support for message delivery using SNMP traps.
- all AFN-100 platforms now support SNMP trap delivery types of v1 traps, v2c notifications, and v2c informs. If inform responses are not received within the timeout period, AFN looks for a ruleset having the activeflag field set to the number 7, and processes further message delivery in accordance with the contents of that rule.
- re-enable remote logging feature

#### version 4.42

add support for ISU4.0 feature, found under its Tools menu, called "Simulating Data Input To AFN". This provides a tool for quick and easy user testing of AFN input data acceptance and a fast way to check rules by entering the desired input data so that AFN will receive it.

#### version 4.40

add bluetooth interface support for incoming data and/or modem connection.  
add email server network connectivity checking.  
add fail-over dialout messaging when email server connectivity is lost.  
improve online ruleset documentation both within AFN and on website.  
improve web server runtime management

#### version 4.30

finalize 2007 USA daylight savings time change support - extend to "North American" regions supporting 187 timezones

#### version 4.20

add user parameter "snmpon" for activating the AFN SNMP subsystem.  
improve error handling where no DNS server is reachable to reduce timeout.  
enhance remote re-booting

#### version 4.10

receives and processes incoming SNMP traps for ruleset messaging.  
fix bug causing needless processing of a ruleset that has no action specified.  
add visual 4-flash of panel red LED to indicate AFN is completely booted.

#### version 4.03

further improve DNS processing and lookup speed.

#### version 4.00

add heartbeat "data not received" detection and messaging feature  
add nightly emailing of logfiles feature.

#### version 3.94

increase ruleset field emaddr length to 50 chars from 30.  
increase parameter empass length to 40 chars from 30.

version 3.90

add user-specified smtp port to support ISP "message authorization ports".

version 3.86

automate removal of logfiles older than 170 days.

add browser utility to remotely "stop and reboot AFN".

version 3.80

improve support for STARTTLS encryption during ESMTP auth-login sessions.

improve precision of uptime readout on browser status page.

add helpful ruleset examples to default ruleset file template.

version 3.64

add "virtual serial port" add-on module. This allows additional connections

to monitor serial port or other devices located anywhere without RS-232 cables!

add support for hardwire local connection of additional serial port using vport.

version 3.42

change logfile method for recording incoming data. Old method showed any failure of a ruleset rule, with many rules, logfiles got big fast. The new method only shows details for successful ruleset matching.

version 3.40

add capability to send messages out the same port from which the data originated in any rule. This would allow feedback or command and control for a device connected to AFN.

version 3.39

Initial Setup Utility software adds network scanning feature to find the IP address of any and all AFN units reachable on the broadcast subnet.

add preliminary 2007 USA daylight savings time change support

version 3.34

fix bug preventing browser-based stopping of AFN if parameter file was invalid.

change processing for backspace character as part of incoming data blocks.

version 3.00

add support for 14-channel digital I/O board as optional add-on module.

version 3.25

speed-optimize several internal processing routines.

improve browser error-messaging if user accesses AFN prior to re-boot completion

version 3.17

enhance security of Secure Access Mode password

version 3.00

add feature to remotely add, delete, activate and de-activate ruleset elements using dial-in modem as a sub-part of Secure Access Mode.

version 2.26

add support for smtp auth-login email session authorization

version 2.25

improve remote use disconnect response for Secure Access Mode sessions

version 2.21

add serial number and installed module & feature package to status display

version 2.18

provide multi-block wireless messaging parsing to support certain paging systems.

version 2.17

improve retry handling for wireless carrier terminal connection drop-offs.

additional and separate modem initialization string for wireless messages.

version 2.13

fix bug causing incorrect characters in messages using the prefix ruleset field.

version 2.10

move Host data input port from AFN Port1 to Port2; modem now connects to Port1  
extend Secure Access Mode modem inactivity timeout to 180 seconds from 60.

version 1.60

original AFN-100 release - January, 2005