Firmware for NPort 5410/5430 (Rev 2.x and prior) Release Notes

Version: v2.9	Build: 11080114
Release Date: Sep 13, 2011	

Applicable Products

NPort 5410/5430 (Rev 2.x and prior)

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Fine tunes the accuracy in the "inactivity time" function of TCP server mode.

Bugs Fixed

• NPort does not obtain DHCP IP when DHCP server send an ACK packet with ts source IP while server identifier option being different and with relay agent IP address field being 0.0.0.0.
• NPort fails to get DHCP IP after receiving DHCP NAK issued by the DHCP server that does not send DHCP Offer.
• Due to internet routing issue, TCP FIN packet is received before data, NPort drops the connection and discard the data.
• Sometimes TCP PUSH packet is immediately retransmitted due to retransmission timeout algorithm error.
• When AP creates a TCP connection to a non-existent host, other TCP packets are delayed.
• When NPort receives DHCP NAK from a DHCP server, it drops subsequent packets issued by the relay agent of that DHCP server.
7 TCP next sequence number issue: When NPort sends last data packet (length > 0) while FIN flag being set, NPort only adds length to current sequence number to form the next sequence number (where the correct next sequence number = current sequence number + length + 1, since FIN counts 1). The incorrectly calculated sequence number results NPort neglect the ACK from peer and keep sending Keep-Alive packets to peer.
• NPort sometimes discards received Ethernet packets because the packets are destructed by illegal memory access.
• When only TX software flow control enabled (in sending FAX application for example), NPort cannot stop data transmission upon receiving XOFF character.
• NPort sometimes discards received ICMP packets due to checksum calculation error.
• The data and time information on emails that sent from NPort does not follow RFC 2822 standard.
• Update Georgetown time zone to GMT-04:00, Caracas to GMT-04:30 and Sofia to GMT +02:00.

Changes

N/A

Notes

• This firmware applies to NPort 5410/5430 (Rev 2.x and prior).