



Conexant Firmware Release Notes

Version: 4.1.0.38

SIP ALG fixed MTU path discovery fixed

Version: 4.1.0.37

Fixed duplicated MAC address issue on Bridge learning module Fixed ADSL MIB Failure to detect Prism 802.11b wireless with Tahoe chipset.

Version: 4.1.0.32

Increase FreeBSD firewall port timeout. Config.reg is not saved after Update.reg was applied SNMP inbound/outbound issue UpnP IGD device name (see attached UPNP customization.doc) Tahoe Table Modem "\ " character in PPP service name.

Version: 4.1.0.31

Increase FreeBSD firewall port timeout.SNMP inbound/outbound issue. UpnP IGD device name

Version: 4.1.0.30

SNMP inbound/outbound issue UpnP IGD device name (see attached UPNP customization.doc) DDNS Failed to update /nvrami option is broken.

Version: 4.1.0.29

Tahoe Table Mode set to disabled SNMP settings changes to be permanent Flash and File Corruption fix. MXIC 4M flash support. DCC support in mIRC Tx LED – GPIO19 SNMP access configurable.

Version: 4.1.0.27a

(The previous release was: 4.1.0.21)

- Showtime DP 3.49
- Bootrom BC_CX82xxx_4.1.0.25
- Flash programmer 4.4
- Fixed WEP connection problem
- Fixed WLAN_ADV html display problem
- Added Dynamic DNS
- Fixed Dynamic DNS system log
- Improved echo canceller performance
- Fixed intermittent SNMP over Clear EOC problem
- Fixed Calix DSLAM reset problem
- Fix downstream CRCs (medium length loops) with GSPN DSLAM
- Added PSD test mode for -26 *(The changed between 4.1.0.9 and 4.1.0.21)*
- Showtime DP 3.46
- Bootrom BC_CX82xxx_4.1.0.21
- Flash programmer 4.3
- Added CX82310-26 support
- Added AMIC A29DL320FUV flash support



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- Added AMIC A29L160UV flash support
- Added SST 39VF320 flash support
- Added SST 39VF3201 flash support
- Added AMD AM29LV320MB flash support
- Added ST M29W160BB flash support
- Added ST M29W160EB flash support
- Added Bootrom version in the Web page
- Added 10-PVC support
- Added USB enable and disable control in the Web page
- Added fail safe feature to avoid config.reg corruption
- Fixed ALG support for Yahoo Messenger
- Added configurable names for login (user and admin)
- Added password checking with new password retype in the Web page
- Removed the minimum 8-character limit on the password
- Increased MAC address filter limit to 16 MAC addresses
- Added MAC address filtering with forward and block list
- Added ADSL status into the system log
- Added system log classification with events and warnings
- Increased MAC address support to 256 MAC addresses
- Allowed WLAN FCC parameters to be saved the flash
- Fixed the PPP Half Bridge problem with another router behind
- Fixed the 2nd DNS address receiving problem
- Fixed the double quotation mark problem with Web page entries
- Fixed the PPP timeout problem during the FTP session
- Enhanced the PPP operation to avoid the long connection timeout
- Enhanced the WAN DHCP client operation to avoid the timeout for getting an IP
- TOC is displayed accordingly to the login level
- Added error checking for the HTTP port range
- Added MSS configuration in the config.reg
- Added passphrase for the WEP key
- Added secret WLAN AP feature to hide the SSID
- Added AP BSSID display
- Added WLAN AP open system or shared key authentication
- Fixed WLAN bridge mode throughput problem
- Fixed AP BSSID MAC address problem
- Added WLAN LED on GPIO 7 (LEDMODE = 0A)
- Fixed the UPnP problem with non-10.0.0.2 IP address
- Fixed Web page login problem with Sony Play Station
- Fixed Web page problem with Netscape 7.1
- Fixed the FTP port 21 mapping problem with private ports
- Fixed PPP Half Bridge IP problem with repetitive release/renew
- Changed the showtime module into two: SHTM.DLZ is for regular showtime and SHTMDTST.DLZ is for debugging only
- Fixed the long connection time with the Sumitomo Centillium DSLAM



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- Improved SNR margin for Telefonica in T1.413 mode
- Improved the downstream rate for 11 kft/24hdsi loop
- Improved the bit swap algorithm
- Improved upstream performance with the Lucent Centillium DSLAM
- Improved upstream rates on the short loops with the Nokia 4-port ETSI DSLAM
- Fixed problem in Nokia 4-port ETSI DSLAM
- Improved the downstream rate for GSPN in T1.413 mode
- Fixed the short loops problem with the ADI 400B & 408 DSLAMs
- Reduced the CRCs in T1.413 mode for Covad qualification
- Improved detection of T1.413 C_ACK tones in noisy environments
- Fixed the Clear EOC transmit buffer potential overflow problem
- Improved the performance and CRC reduction for Alcatel 7300
- Fixed the showtime problem when CO in G.Lite mode and CPE in auto-sense mode with the Lucent GSPN DSLAM
- Fixed CRC problem with KT Alcatel DSLAMs
- Eliminated upstream DSLAM SNR margin problem during showtime for Annex B Alcatel DSLAM's
- Eliminated long T1.413 connection problem with CSA #6 mid loop
- Improved the performance of the short loops, such as CSA4 with 24HDSL noise, with the Alcatel DSLAMs

Version: 4.1.0.21

Changes Since Previous Release (The previous release was: 4.1.0.9)

- Showtime DP 3.46
- Bootrom BC_CX82xxx_4.1.0.21
- Flash programmer 4.3
- Added CX82310-26 support
- Added AMIC A29DL320FUV flash support
- Added AMIC A29L160UV flash support
- Added SST 39VF320 flash support
- Added SST 39VF3201 flash support
- Added AMD AM29LV320MB flash support
- Added ST M29W160BB flash support
- Added ST M29W160EB flash support
- Added Bootrom version in the Web page
- Added 10-PVC support
- Added USB enable and disable control in the Web page
- Added fail safe feature to avoid config.reg corruption
- Fixed ALG support for Yahoo Messenger
- Added configurable names for login (user and admin)
- Added password checking with new password retype in the Web page
- Removed the minimum 8-character limit on the password
- Increased MAC address filter limit to 16 MAC addresses
- Added MAC address filtering with forward and block list



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- Added ADSL status into the system log
- Added system log classification with events and warnings
- Increased MAC address support to 256 MAC addresses
- Allowed WLAN FCC parameters to be saved the flash
- Fixed the PPP Half Bridge problem with another router behind
- Fixed the 2nd DNS address receiving problem
- Fixed the double quotation mark problem with Web page entries
- Fixed the PPP timeout problem during the FTP session
- Enhanced the PPP operation to avoid the long connection timeout
- Enhanced the WAN DHCP client operation to avoid the timeout for getting an IP
- TOC is displayed accordingly to the login level
- Added error checking for the HTTP port range
- Added MSS configuration in the config.reg
- Added passphrase for the WEP key
- Added secret WLAN AP feature to hide the SSID
- Added AP BSSID display
- Added WLAN AP open system or shared key authentication
- Fixed WLAN bridge mode throughput problem
- Fixed AP BSSID MAC address problem
- Added WLAN LED on GPIO 7 (LEDMODE = 0A)
- Fixed the UPnP problem with non-10.0.0.2 IP address
- Fixed Web page login problem with Sony Play Station
- Fixed Web page problem with Netscape 7.1
- Fixed the FTP port 21 mapping problem with private ports
- Fixed PPP Half Bridge IP problem with repetitive release/renew
- Changed the showtime module into two: SHTM.DLZ is for regular showtime and SHTMDTST.DLZ is for debugging only
- Fixed the long connection time with the Sumitomo Centillium DSLAM
- Improved SNR margin for Telefonica in T1.413 mode
- Improved the downstream rate for 11 kft/24hdsi loop
- Improved the bit swap algorithm
- Improved upstream performance with the Lucent Centillium DSLAM
- Improved upstream rates on the short loops with the Nokia 4-port ETSI DSLAM
- Fixed problem in Nokia 4-port ETSI DSLAM
- Improved the downstream rate for GSPN in T1.413 mode
- Fixed the short loops problem with the ADI 400B & 408 DSLAMs
- Reduced the CRCs in T1.413 mode for Covad qualification
- Improved detection of T1.413 C_ACK tones in noisy environments
- Fixed the Clear EOC transmit buffer potential overflow problem
- Improved the performance and CRC reduction for Alcatel 7300
- Fixed the showtime problem when CO in G.Lite mode and CPE in auto-sense mode with the Lucent GSPN DSLAM
- Fixed CRC problem with KT Alcatel DSLAMs
- Eliminated upstream DSLAM SNR margin problem during showtime for Annex



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B Alcatel DSLAM's

- Eliminated long T1.413 connection problem with CSA #6 mid loop
 - Improved the performance of the short loops, such as CSA4 with 24HDSL noise, with the Alcatel DSLAMs
- (The changes between 4.1.0.9 and 080902_REL9P/8P)*
- Showtime DP 3.30
 - Improved ETSI mode performance with GSPN DSLAM
 - Eliminated G.HS sensing problem at Verizon
 - Added clear EOC support for TI-based DSLAM
 - Fixed impulse noise problem for Telstra
 - Added DT qualification changes
 - New Bootrom (September 30, 2003)
 - Flash Programmer 3.8
 - Added public MAC addresses support option for PVC1 to PVC7
 - Added ADSL Start/Stop button
 - Added Auto Detect (GPIO 38) and User Select Annex A/B selection
 - Added smart URL web page alias support
 - Added DNS server support
 - Added MTU path discovery support
 - Added PPP LCP Echo configuration
 - Added PPP Disconnect Timer Configuration
 - Added Virtual Server port range support
 - Added SNTP Time Zone support
 - Added FTP WAN access option
 - Added Command Line Interface by console or by Telnet option
 - Added CLI WAN Access option
 - Added password option for HTTP Web server access
 - Added option for Connect PPP when ADSL link is up
 - Loadable wireless, console, and firewall modules
 - Added ALG support for Edonkey 2000
 - Improved accessibility for the Web server
 - Fixed 1483 Bridged IP LLC DHCP client problem
 - Closed TCP port 21, 254, 255 and UDP port 67
 - Added support of “%” character in different fields (PPP, DHCP, NAT Session, login password and etc.)
 - Fixed the ATM counter reset problem with different PVCs is enabled
 - Added error checking for LAN IP address and subnet mask
 - Added error checking for DHCP lease time
 - Added error checking for the wireless AP channel
 - Fixed DNS test in the diagnostic test
 - Enhanced configuration management
 - New USB Net Driver 24.2.1.0
 - Added Status System Tray
 - Added 10.0.0.2 Shortcut on the Desktop



Conexant Firmware Release Notes

Version: 4.1.0.14a

(The previous release was: 4.1.0.9)

- Showtime DP 3.40
- HNP driver supports EEPROM Read/Write through Debug Channel (PC software-Broker is required)

Version: 4.1.0.9

(The previous release was: 080902_REL9P/8P)

- Showtime DP 3.30
- Improved ETSI mode performance with GSPN DSLAM
- Eliminated G.HS sensing problem at Verizon
- Added clear EOC support for TI-based DSLAM
- Fixed impulse noise problem for Telstra
- Added DT qualification changes
- New Bootrom (September 30, 2003)
- Flash Programmer 3.8
- Added public MAC addresses support option for PVC1 to PVC7
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- Fixed DNS test in the diagnostic test



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- Enhanced configuration management
- New USB Net Driver 24.2.1.0
- Added Status System Tray
- Added 10.0.0.2 Shortcut on the Desktop
- USB driver version 24.2.1.0

Version: 080902_REL9P

(The previous release was: 080902_REL9K)

- Showtime 3.27
- Fixed G.HS connection problem with Alcatel Annex B DSLAM
- Improved upstream connect rates in ETSI mode for Alcatel DSLAM
- Improved upstream connect rates against Alcatel and Nokia/GSPN Annex B DSLAM
- New Compressed Web Pages (HTZ and JSZ files for HTM and JS files)
- Fixed recode network code image upgrade problem
- Fixed file transfer problem with MSN Messenger 5.0
- Enhanced PPP Half Bridge operation
- New USB Net Driver 031103_REL3

Version : 080902_REL9K

(The previous release was: 080902_REL9J)

- Showtime v3.24
- Fix NEC GSPN EOC problem with SNR and Attenuation status reporting
- Improved upstream SNR with Siemens 2.0 for the DT fast path test
- Improved downstream performance with DT short loop rate adaptive tests
- New Bootrom v1.12 (April 23, 2003)
- Fixed USB enumeration 60-second timeout problem.