

**BIPAC-7100G / 7100SG**  
**Wireless ADSL Modem/Router**  
**with USB and 10/100M LAN Port**

# Release Note

[Billion Release note](#)

[Conexant Release note](#)

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**Billion Release note****● Version :4.1.0.38\_IB650c**

- 1) Based on Conexant release code 4.1.0.38

**● Version: 4.1.0.19\_IB340a**

- 1) Based on Conexant Release code 4.1.0.19
- 2) Added private port in WEB
- 3) Added alert sender's mail address
- 4) Allowed to access Telnet server from wan
- 5) Added "please wait " message while click Factory setting button
- 6) Added URL-Blocking function
- 7) WEB pages change to billion style and compressed pages
- 8) Added configure time Zone pages and daylight saving time function. Show current time in system log page.
- 9) Added DDNS function
- 10) Added Intrusion Detection and alert email function
- 11) Added packet filtering function
- 12) Added Block wan request function
- 13) Added security log
- 14) Added UPnP function
- 15) Added function which LAN PC can access virtual server by WAN public IP
- 16) Added disable WAN FTP function.
- 17) Add private port in virtual server page
- 18) Block telnet (port 254) from WAN
- 19) Add the Firmware protection
- 20) Modify IRC port range (from 6667~6668 to 6660~6670)
- 21) Add to block telnet (Port 23) from WAN
- 22) Add the port range of Virtual Server
- 23) Modify the default value from 10.0.0.2 to 192.168.1.254

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**Conexant Release Note****● Version: 4.1.0.38**

SIP ALG fixed MTU path discovery fixed

**● Version: 4.1.0.19**

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

- Showtime DP 3.46
- Bootrom BC\_CX82xxx\_4.1.0.19
- 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
- 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 2<sup>nd</sup> DNS address receiving problem
- Fixed the double quotation mark problem with Web page entries
- Fixed the PPP timeout problem during the FTP session

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- 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/24hds1 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

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#### 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.)

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- 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

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